

INSTALLATION RESTORATION PROGRAM

2

AD-A277 740



FINAL

Site Investigation Report

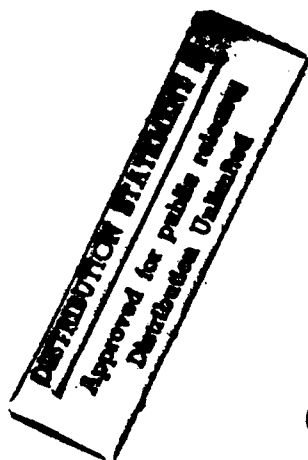
Volume 3

Appendices H Through M

November 1992

161st AIR REFUELING GROUP
ARIZONA AIR NATIONAL GUARD
SKY HARBOR INTERNATIONAL AIRPORT
PHOENIX, ARIZONA

DTIC
ELECTE
APR 04 1994
S B D



424 PJ 94-09994
[Barcode]

DTIC QUALITY INSPECTED 3

94 4 1 042

Hazardous Waste Remedial Actions Program
Oak Ridge K-25 Site
Oak Ridge, Tennessee 37831-7606
Managed by MARTIN MARIETTA ENERGY SYSTEMS, INC.
For the U.S. DEPARTMENT OF ENERGY under contract DE-AC05-84OR21400

**Best
Available
Copy**

**FINAL
SITE INVESTIGATION REPORT
161ST AIR REFUELING GROUP
ARIZONA AIR NATIONAL GUARD
SKY HARBOR INTERNATIONAL AIRPORT
AND PAPAGO MILITARY RESERVATION
PHOENIX, ARIZONA**

**VOLUME 3
APPENDICES
H THROUGH M**

**4 JAN 1993
RECEIVED**

Submitted To:

**AIR NATIONAL GUARD READINESS CENTER
ANDREWS AIR FORCE BASE, MARYLAND**

Submitted By:

**HAZARDOUS WASTE REMEDIAL ACTIONS PROGRAM
Oak Ridge K-25 Site
Oak Ridge, Tennessee 37831-7606
managed by
MARTIN MARIETTA ENERGY SYSTEMS, INC.
for the
U.S. DEPARTMENT OF ENERGY
under contract DE-AC05-84OR21400**

Prepared By:

**IT CORPORATION
312 DIRECTORS DRIVE
KNOXVILLE, TENNESSEE 37923**

Prepared For:

**U.S. DEPARTMENT OF ENERGY
CONTRACT DE-AC05-84OR21400**

NOVEMBER 1992

DTIC QUALITY INSPECTED 3

List of Appendices

Appendix

Title

VOLUME 2

- A Variance and Nonconformance Reports
- B Preliminary Review of Hydrogeologic Data for Facilities Adjacent to Sky Harbor Air National Guard Base
- C Geophysical Survey Report
- D SOV Survey Report
- E Soil Boring Logs
- F Piezometer and Monitoring Well Completion Diagrams
- G Piezometer and Monitoring Well Development Records

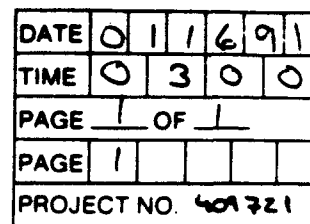
VOLUME 3

- H Sample Collection Logs
- I Slug Tests and Analysis
- J Potentiometric Measurements
- K Results of Screening Analyses
- L Tabulation of Soil Analytical Results
- M Tabulation of Water Analytical Results

Accession For	
NTIS GRA&I	<input checked="" type="checkbox"/>
DTIC TAB	<input type="checkbox"/>
Unannounced	<input type="checkbox"/>
Justification	
By	
Distribution/	
Availability Codes	
Dist	Avail and/or Special
A-1	

APPENDIX H

SAMPLE COLLECTION LOGS



PROJECT NAME Sky Harbor

SAMPLE NO. SVPS-1-1

SAMPLE LOCATION Drill cutting from Piezo PS-1

SAMPLE TYPE Soil

CONTAINERS USED	AMOUNT COLLECTED
<u>24-250 ml</u>	
<u>1 Glass 250 ml</u>	<u>125 ml</u>

COMPOSITE ✓ YES NO

COMPOSITE TYPE Soil

DEPTH OF SAMPLE Surface

WEATHER Warm/Clear

COMMENTS: composite sample of soil

PREPARED BY: J. Tyler, Jr. for Ed Re-tin



INTERNATIONAL
TECHNOLOGY
CORPORATION

DATE	01	18	91
TIME	1	04	0
PAGE	1	OF	2
PAGE			
PROJECT NO. 40121.02.0			

SAMPLE COLLECTION LOG

PROJECT NAME SKY HARBOR ANG
SAMPLE NO. SB1-05-0-1/01 & 02
SAMPLE LOCATION Soil Boring SB1-05
SAMPLE TYPE Soil
COMPOSITE YES ☒ NO
COMPOSITE TYPE _____
DEPTH OF SAMPLE Surface
WEATHER Clear, Breezy, Warm

CONTAINERS USED	AMOUNT COLLECTED
6" Bore Suction	
(2)	

COMMENTS:

SAMPLE 01 FOR HOME LAB
SAMPLE 02 FOR FIELD LAB

PREPARED BY: Mark A. Bordin

COMMENTS:
(Continued)

DATE	01	10	90
TIME	1	04	0
PAGE	2 OF 2		
PAGE			
PROJECT NO. 40774.0200			

PREPARED BY: Mark A. Anderson

LEGEND

- 1 A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE
- 2 ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
- 3 ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A
- 4 DATE. USE MONTH/DAY/YEAR. I.E., 10/30/85
- 5 TIME. USE 24-HOUR CLOCK. I.E., 1835 FOR 6:35 P M
- 6 PAGE. EACH SAMPLE TEAM SHOULD NUMBER PAGE _____ OF _____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
- 7 SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY
- 8 SAMPLE TYPE: USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT
- 9 COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE
- 10 DEPTH OF SAMPLE: GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE " OR "
- 11 WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS
- 12 CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ. GLASS JAR).
- 13 AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL)

DATE	0	1	1	8	9	1
TIME	1	0	5	0		
PAGE	1 OF 2					
PAGE						
PROJECT NO. 40721-22						

SAMPLE COLLECTION LOG

PROJECT NAME SKY HARVEST ANG
 SAMPLE NO. SB1-05-0-5/01 & 02
 SAMPLE LOCATION SOIL DURING SB1-05
 SAMPLE TYPE SOIL
 COMPOSITE YES ☒ NO
 COMPOSITE TYPE _____
 DEPTH OF SAMPLE 0-5ft INTERVAL
 WEATHER CLEAR, BREEZY, WARM

CONTAINERS USED	AMOUNT COLLECTED
(2) 6 inch	
BRASS SIEVES	<input checked="" type="checkbox"/>

COMMENTS:

SAMPLE 01 FOR HOME LAB
 SAMPLE 02 FOR FIELD LAB

PREPARED BY:

Mark A. Anderson

COMMENTS:
(Continued)

DATE	0	1	1	8	9	0
TIME	1	0	5	0		
PAGE	2 OF 2					
PAGE						
PROJECT NO. W721.0706						

PREPARED BY: Mark A. Dandine

LEGEND

- 1 A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE
- 2 ALWAYS COMPLETE BOTH SIDES IF SECOND SIDE IS NOT USED. DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY
- 3 ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
- 4 DATE USE MONTH/DAY/YEAR. I.E. 10/30/85
- 5 TIME USE 24-HOUR CLOCK. I.E. 1835 FOR 6:35 P.M.
- 6 PAGE EACH SAMPLE TEAM SHOULD NUMBER PAGE _____ OF _____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E. IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24 2 OF 24. ETC
- 7 SAMPLE LOCATION USE BORING OR MONITORING WELL NUMBER GRID LOCATION (TRANSECT). SAMPLING STATION I.D. OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY
- 8 SAMPLE TYPE USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT
- 9 COMPOSITE TYPE. I.E. 24-HOUR. LIST SAMPLE NUMBERS IN COMPOSITE. SPATIAL COMPOSITE
- 10 DEPTH OF SAMPLE GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE "OR"
- 11 WEATHER APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS
- 12 CONTAINERS USED LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G. 2 - 1L GLASS 4 - 40 ML GLASS VIAL 1 - 400 ML PLASTIC 1 - 3 INCH STEEL TUBE 1 - 8 OZ GLASS JAR)
- 13 AMOUNT COLLECTED VOLUME IN CONTAINERS (E.G. 1/2 FULL)

DATE	0	1	8	9	1
TIME	1	1	0	5	
PAGE	1 OF 2				
PAGE					
PROJECT NO. 964721.00.0					

SAMPLE COLLECTION LOG

PROJECT NAME Sky Harbor ANIS
 SAMPLE NO. SB1-05-5-10/01 & 02
 SAMPLE LOCATION San Diego SJD-05
 SAMPLE TYPE Soil
 COMPOSITE YES ☒ NO
 COMPOSITE TYPE _____
 DEPTH OF SAMPLE 5-10 ft. In-Terrain
 WEATHER Clear, Breezy, Warm

CONTAINERS USED	AMOUNT COLLECTED
(2) 6-winch	
BRASS SLEEVES	<input checked="" type="checkbox"/>

COMMENTS:

Sample 01 for Home Lab
 Sample 02 for Field Lab

PREPARED BY: Mark A. Hansen

COMMENTS:
(Continued)

DATE	0	1	1	8	9	1
TIME	1	1	0	3		
PAGE	2	OF	2			
PAGE:						
PROJECT NO.	401371.07					

PREPARED BY: Mark A. Gurdin

LEGEND

- 1 A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE
- 2 ALWAYS COMPLETE BOTH SIDES IF SECOND SIDE IS NOT USED DRAW A LINE THROUGH IT AND MARK N/A FILL IN CONTROL BLOCK AND PREPARED BY
- 3 ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A
- 4 DATE USE MONTH/DAY/YEAR. I.E. 10/30/85
- 5 TIME USE 24-HOUR CLOCK. I.E. 1835 FOR 6 35 P.M.
- 6 PAGE EACH SAMPLE TEAM SHOULD NUMBER PAGE _____ OF _____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E. IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
- 7 SAMPLE LOCATION USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D. OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
- 8 SAMPLE TYPE USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT.
- 9 COMPOSITE TYPE I.E. 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
- 10 DEPTH OF SAMPLE GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE "OR".
- 11 WEATHER APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
- 12 CONTAINERS USED LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G. 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ GLASS JAR).
- 13 AMOUNT COLLECTED VOLUME IN CONTAINERS (E.G. 1/2 FULL).



INTERNATIONAL
TECHNOLOGY
CORPORATION

DATE	0	1	1	8	9	1
TIME	1	1	1	6		
PAGE	1 OF 2					
PAGE						
PROJECT NO.	409721-02-06					

SAMPLE COLLECTION LOG

PROJECT NAME SKY HARBOR ANG
SAMPLE NO. SB1-05-10-15/01 & 02
SAMPLE LOCATION SOIL BORING SB1-05
SAMPLE TYPE SOIL
COMPOSITE YES ☒ NO
COMPOSITE TYPE _____
DEPTH OF SAMPLE 10-15 ft Interval
WEATHER CLEAR, Breezy, warm

CONTAINERS USED	AMOUNT COLLECTED
<u>(2) 6-inch</u>	
<u>DRILL SLEEVES</u>	<input checked="" type="checkbox"/>

COMMENTS:

SAMPLE 01 FOR HOME LAB
SAMPLE 02 FOR FIELD LAB

PREPARED BY: Mark A. Dandrea

COMMENTS:
(Continued)

DATE	0	1	1	8	9	1
TIME	1	1	1	6		
PAGE	2 OF 2					
PAGE						
PROJECT NO.	40731. 02.06					

PREPARED BY: Mark A. Shulman

LEGEND

- 1 A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE
- 2 ALWAYS COMPLETE BOTH SIDES IF SECOND SIDE IS NOT USED. DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY
- 3 ALL ENTRIES ON LOG ARE TO BE COMPLETED IF NOT APPLICABLE MARK N/A
- 4 DATE USE MONTH/DAY/YEAR. I.E. 10/30/85
- 5 TIME USE 24-HOUR CLOCK. I.E. 1835 FOR 6 35 P.M.
- 6 PAGE EACH SAMPLE TEAM SHOULD NUMBER PAGE _____ OF _____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E. IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24 2 OF 24 ETC
- 7 SAMPLE LOCATION USE BORING OR MONITORING WELL NUMBER GRID LOCATION (TRANSECT) SAMPLING STATION I.D. OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY
- 8 SAMPLE TYPE USE THE FOLLOWING - SOIL WATER (SURFACE OR GROUND) AIR (FILTERS TUBES AMBIENT PERSONNEL) SLUDGE DRUM CONTENTS. OIL. VEGETATION. WIPE SEDIMENT
- 9 COMPOSITE TYPE. I.E. 24-HOUR. LIST SAMPLE NUMBERS IN COMPOSITE. SPATIAL COMPOSITE
- 10 DEPTH OF SAMPLE GIVE UNITS WRITE OUT UNITS SUCH AS INCHES FEET DON'T USE " OR "
- 11 WEATHER APPROXIMATE TEMPERATURE SUN AND MOISTURE CONDITIONS
- 12 CONTAINERS USED. LIST EACH CONTAINER TYPE AS NUMBER. VOLUME. MATERIAL (E.G. 2 - 1L GLASS 4 - 40 ML GLASS VIAL 1 - 400 ML PLASTIC 1 - 3 INCH STEEL TUBE 1 - 8 OZ GLASS JAR)
- 13 AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G. 1/2 FULL)

DATE	0	1	1	8	9	1
TIME	1	2	1	5		
PAGE	1 OF 2					
PAGE						
PROJECT NO. 40321.02.06						

SAMPLE COLLECTION LOG

PROJECT NAME SKY HARBOUR ANG

SAMPLE NO. SB1-05-25-30/01 & 02

SAMPLE LOCATION SOIL BORING SB1-05

SAMPLE TYPE SOIL

COMPOSITE YES ☒ NO

COMPOSITE TYPE _____

DEPTH OF SAMPLE 25-30 ft. INTERVAL

WEATHER CLEAR, BREEZY, WARM

CONTAINERS USED	AMOUNT COLLECTED
(2) 6-INCH	
BRASS SLAVERS	<input checked="" type="checkbox"/>

COMMENTS:

SAMPLE 01 FOR HOME LAB
SAMPLE 02 FOR FIELD LAB

PREPARED BY: M.G. Paulina

COMMENTS:
(Continued)

DATE	0	1	1	8	9	1
TIME	1	2	1	5		
PAGE	2		OF		2	
PAGE						
PROJECT NO.	409321. 02.06					

PREPARED BY: M. G. Anderson

LEGEND

1. A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
2. ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
4. DATE: USE MONTH/DAY/YEAR. I.E., 10/30/85.
5. TIME: USE 24-HOUR CLOCK. I.E., 1835 FOR 6:35 P.M.
6. PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE _____ OF _____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
7. SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D. OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
8. SAMPLE TYPE: USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT.
9. COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
10. DEPTH OF SAMPLE: GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE "OR".
11. WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
12. CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL).



DATE	0	1	1	8	9	1
TIME	1	2	3	0		
PAGE	1 OF 2					
PAGE						
PROJECT NO.	40721-02					

SAMPLE COLLECTION LOG

PROJECT NAME SKY HARBOUR ANG
SAMPLE NO. SB1-05-30-35/01
SAMPLE LOCATION Soil Boring SB1-05
SAMPLE TYPE Soil
COMPOSITE YES ☒ NO
COMPOSITE TYPE
DEPTH OF SAMPLE 30-35 ft.
WEATHER Clear, Breezy

CONTAINERS USED	AMOUNT COLLECTED
<u>(2) 6 inch</u>	
<u>Bags, submers.</u>	<input checked="" type="checkbox"/>

COMMENTS:

Sample 01 for heavy test; 02 not recommended.

PREPARED BY: M.A. Gordon

COMMENTS:
(Continued)

DATE	0	1	1	8	7	1
TIME	1	2	3	0		
PAGE	2 OF 2					
PAGE						
PROJECT NO.	40721.06					

PREPARED BY: M. G. Anderson

LEGEND

- 1 A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE
- 2 ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A
- 4 DATE. USE MONTH/DAY/YEAR. I.E., 10/30/85
- 5 TIME. USE 24-HOUR CLOCK. I.E., 1835 FOR 6:35 P.M
- 6 PAGE. EACH SAMPLE TEAM SHOULD NUMBER PAGE ____ OF ____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC
- 7 SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER. GRID LOCATION (TRANSECT). SAMPLING STATION I.D. OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY
- 8 SAMPLE TYPE: USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT
9. COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE
- 10 DEPTH OF SAMPLE: GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE " OR "
- 11 WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS
- 12 CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL).

DATE	0	1	8	9	1
TIME	1	2	4	9	
PAGE	1 OF 2				
PAGE					
PROJECT NO.	42321.02.06				

SAMPLE COLLECTION LOG

PROJECT NAME SKY Harbor ANGL

SAMPLE NO. SB1-05-35-40/01

SAMPLE LOCATION Soil Bury SB1-05

SAMPLE TYPE Soil

COMPOSITE YES ☒ NO

COMPOSITE TYPE

DEPTH OF SAMPLE 35-40 ft.

WEATHER Clear, Breezy

CONTAINERS USED	AMOUNT COLLECTED
(2) 6-inch	
3 inch Screens	✓

COMMENTS:

Sample 01 For Home LAB; 02 Not Recorded.

PREPARED BY: M. A. Fisher

COMMENTS:
(Continued)

DATE	0	1	13	91
TIME	1	2	4	9
PAGE	2 OF 2			
PAGE				
PROJECT NO.	40181.02			

PREPARED BY: M.A. Heilman

LEGEND

- 1 A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
- 2 ALWAYS COMPLETE BOTH SIDES IF SECOND SIDE IS NOT USED. DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY
- 3 ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
- 4 DATE USE MONTH/DAY/YEAR. I.E. 10/30/85
- 5 TIME USE 24-HOUR CLOCK. I.E. 1835 FOR 6:35 P.M.
- 6 PAGE EACH SAMPLE TEAM SHOULD NUMBER PAGE _____ OF _____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E. IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
- 7 SAMPLE LOCATION USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
- 8 SAMPLE TYPE USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT.
- 9 COMPOSITE TYPE I.E. 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
- 10 DEPTH OF SAMPLE GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE " OR "
- 11 WEATHER APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
- 12 CONTAINERS USED LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G. 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ. GLASS JAR).
- 13 AMOUNT COLLECTED VOLUME IN CONTAINERS (E.G. 1/2 FULL).



INTERNATIONAL
TECHNOLOGY
CORPORATION

DATE	0	1	1	8	9	1
TIME	1	3	1	0		
PAGE	1 OF 2					
PAGE						
PROJECT NO.	40221-01 26					

SAMPLE COLLECTION LOG

PROJECT NAME S21-05 Ski House AN6
SAMPLE NO. S21-05-40-45/01
SAMPLE LOCATION Soil Boring S21-05
SAMPLE TYPE Soil
COMPOSITE YES ☒ NO
COMPOSITE TYPE _____
DEPTH OF SAMPLE 40-45 ft
WEATHER Clear, Breezy

CONTAINERS USED	AMOUNT COLLECTED
(2) 6 inch	
3 inch, 5 inch	✓

COMMENTS:

Sample 01 for home lab; 02 not recovered.

PREPARED BY: M. G. Perkins

COMMENTS:
(Continued)

DATE	01	13	91
TIME	1	3	10
PAGE	2 OF 2		
PAGE			
PROJECT NO.	40721. 01.01		

PREPARED BY: M. A. Redman

LEGEND

- 1 A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE
- 2 ALWAYS COMPLETE BOTH SIDES IF SECOND SIDE IS NOT USED. DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A
- 4 DATE. USE MONTH/DAY/YEAR. I.E., 10/30/85
- 5 TIME. USE 24-HOUR CLOCK. I.E., 1835 FOR 6 35 P M
- 6 PAGE. EACH SAMPLE TEAM SHOULD NUMBER PAGE _____ OF _____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC
- 7 SAMPLE LOCATION. USE BORING OR MONITORING WELL NUMBER. GRID LOCATION (TRANSECT). SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY
- 8 SAMPLE TYPE. USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT
- 9 COMPOSITE TYPE. I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE. SPATIAL COMPOSITE
- 10 DEPTH OF SAMPLE. GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE "OR"
- 11 WEATHER. APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS
- 12 CONTAINERS USED. LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ. GLASS JAR)
- 13 AMOUNT COLLECTED. VOLUME IN CONTAINERS (E.G., 1/2 FULL)



DATE	0	1	1	8	9	1
TIME	1	4	3	0		
PAGE	4			OF 2		
PAGE						
PROJECT NO. 407321						

SAMPLE COLLECTION LOG

PROJECT NAME Sh. Howard Ave

SAMPLE NO. S31-05-45-50/01

SAMPLE LOCATION Soil Boring, S31-05

SAMPLE TYPE Soil

COMPOSITE YES ☒ NO

COMPOSITE TYPE _____

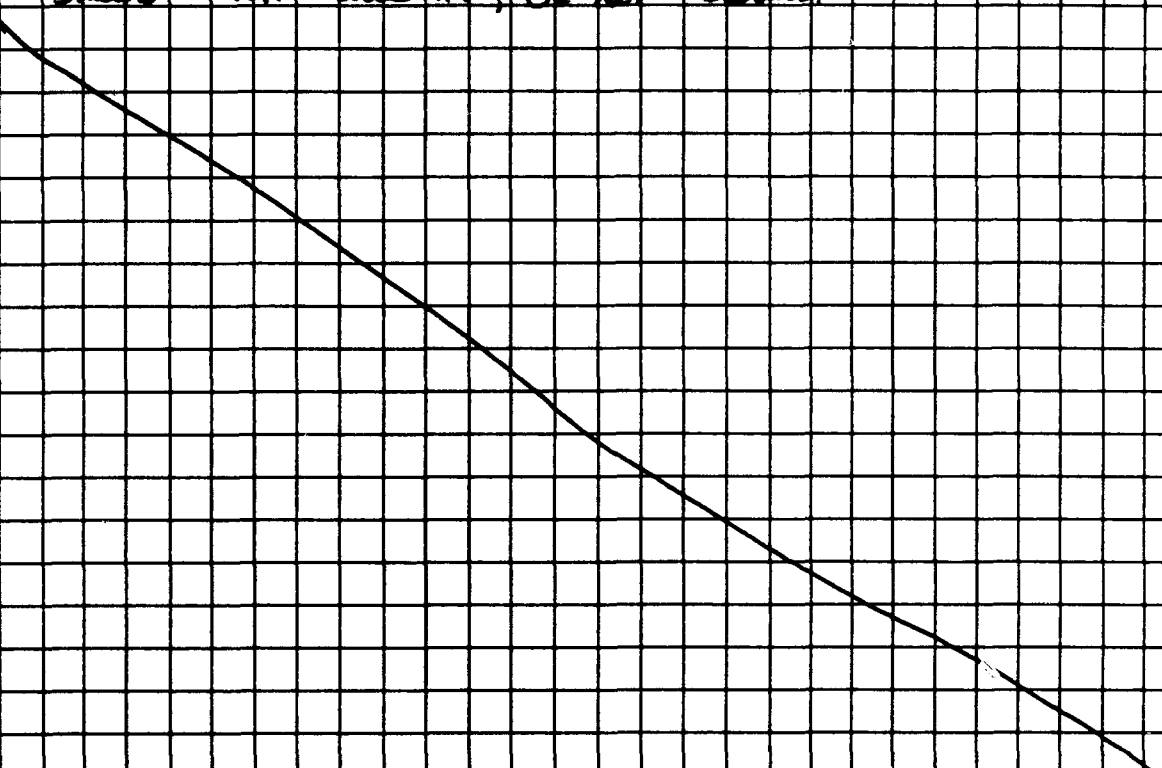
DEPTH OF SAMPLE 45-50 ft.

WEATHER Clear, Breezy, warm

CONTAINERS USED	AMOUNT COLLECTED
(2) 6 inch Bore	
Sieves	✓

COMMENTS:

Sample 01 for Hand LAG; 02 not received.



X (Horizontal)	Y (Vertical)
0	10
2	8
4	6
6	4
8	2
10	0

PREPARED BY: M.G. Dandini

DATE	0	1	1	8	9	1
TIME	1	5	4	0		
PAGE	1 OF 2					
PAGE						
PROJECT NO.	409 221.02					

SAMPLE COLLECTION LOG

PROJECT NAME SKY HARBOUR AREA
 SAMPLE NO. SISL-05-65-70/01
 SAMPLE LOCATION SOIL BORE, SISL-05
 SAMPLE TYPE SOIL
 COMPOSITE YES ☒ NO
 COMPOSITE TYPE _____
 DEPTH OF SAMPLE 65-70 ft.
 WEATHER Clear, WINDY

CONTAINERS USED	AMOUNT COLLECTED
6" BORE	
SAMPLES (2)	<input checked="" type="checkbox"/>

COMMENTS:

SAMPLE #1 FOR HAZARD LAB, OR NOT REQUIRED.

PREPARED BY: M. G. Rodwin

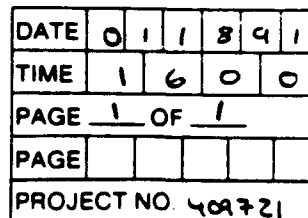
COMMENTS:
(Continued)

DATE	0	1	1	8	9	1
TIME	1	5	4	0		
PAGE	2 OF 2					
PAGE						
PROJECT NO.	409221.62					

PREPARED BY: *M. G. Henderson*

LEGEND

1. A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
2. ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
4. DATE: USE MONTH/DAY/YEAR: I.E., 10/30/85
5. TIME: USE 24-HOUR CLOCK: I.E., 1835 FOR 6:35 P.M.
6. PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE _____ OF _____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC
7. SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY
8. SAMPLE TYPE: USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT
9. COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
10. DEPTH OF SAMPLE: GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE "OR"
11. WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS
12. CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL)



PROJECT NAME Skj Harbor ANG

SAMPLE NO. QC-FBI

SAMPLE LOCATION At end of decan source (through steam cleaner)

SAMPLE TYPE Water

COMPOSITE ☒ YES ☐ NO

COMPOSITE TYPE NA

DEPTH OF SAMPLE NA

WEATHER Clear, sunny, 70°F

CONTAINERS USED	AMOUNT COLLECTED
<u>See below</u>	

COMMENTS:

Collect decon water from pipe truck steam cleaner

730 uahos

7.84 pH

21.6°C

Containers used

- 5 - 40ml glass
- 2 - liters poly
- 2 - liters amber glass
- 1 - 500ml poly

Sample to be analyzed for complete suite.

PREPARED BY: J Tyburaki



DATE	0	1	1	9	9	1
TIME	See Below					
PAGE	1		OF 2			
PAGE						
PROJECT NO.	404921-02.04					

PROJECT NAME SKY HORIZON AN6

SAMPLE NO. SEE BELOW

SAMPLE LOCATION PACIFIC MILITARY RESERVATION

SAMPLE TYPE SOIL

COMPOSITE YES ☒ NO

COMPOSITE TYPE _____

DEPTH OF SAMPLE SEE BELOW

WEATHER CLEAR, BREEZY, WARM

CONTAINERS USED	AMOUNT COLLECTED
<u>500 mL CANS</u>	<u>SEE BELOW</u>
<u>GLASS JAR</u>	

COMMENTS:					
	<u>Sample #</u>	<u>Time</u>	<u>Amount</u>	<u>Date/Source</u>	<u>Comments</u>
PP-01-	58-59-01	1135	500ml	58-59 ft.	Recovered from Circumvent
PP-02-	54-55-01	1320	500ml	54-55 ft.	Recovered from Circumvent
PP-03-	54-55-01	0920	500ml	55 ft.	Recovered from Circumvent

PREPARED BY: Mark A. Gaudin

COMMENTS:
(Continued)

DATE	0	1	1	9	9	1
TIME	1	7	0	0		
PAGE	2 OF 2					
PAGE						
PROJECT NO.	40421.02-2					

PREPARED BY: M. G. Ficklin

LEGEND

1. A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
2. ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
4. DATE USE MONTH/DAY/YEAR: I.E., 10/30/85
5. TIME USE 24-HOUR CLOCK: I.E., 1835 FOR 6:35 P.M.
6. PAGE. EACH SAMPLE TEAM SHOULD NUMBER PAGE _____ OF _____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
7. SAMPLE LOCATION USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY
8. SAMPLE TYPE USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL); SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT
9. COMPOSITE TYPE. I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
10. DEPTH OF SAMPLE. GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE ' OR ''.
11. WEATHER APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
12. CONTAINERS USED LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS; 4 - 40 ML GLASS VIAL; 1 - 400 ML PLASTIC; 1 - 3 INCH STEEL TUBE; 1 - 8 OZ GLASS JAR)
13. AMOUNT COLLECTED VOLUME IN CONTAINERS (E.G., 1/2 FULL).



DATE	0	1	2	0	9	1
TIME	13	59				
PAGE	1 OF 1					
PAGE						
PROJECT NO. 409721						

PROJECT NAME SKY Harbor ANG

SAMPLE NO. WV-PS2-1

SAMPLE LOCATION PS-2

SAMPLE TYPE water

COMPOSITE ☒ YES ☐ NO

COMPOSITE TYPE N/A

DEPTH OF SAMPLE N/A

WEATHER overcast

CONTAINERS USED	AMOUNT COLLECTED
<u>2-40ml.</u>	

COMMENTS:	
WY - PS - 3 - 1	
PH	7.37
Temp	21.1
Cond	1080
Sampled from bailer bottom	

PREPARED BY: Edward G. Rark

COMMENTS: (Continued)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">DATE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">TIME</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">PAGE ____ OF ____</td> <td colspan="4"></td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">PROJECT NO.</td> <td colspan="4"></td> </tr> </table>	DATE					TIME					PAGE ____ OF ____					PAGE					PROJECT NO.				
DATE																											
TIME																											
PAGE ____ OF ____																											
PAGE																											
PROJECT NO.																											

PREPARED BY: _____

LEGEND

- 1 A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
- 2 ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED. DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
- 3 ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
- 4 DATE: USE MONTH/DAY/YEAR. I.E., 10/30/85
- 5 TIME: USE 24-HOUR CLOCK. I.E., 1835 FOR 6:35 P.M.
- 6 PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE ____ OF ____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
- 7 SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER. GRID LOCATION (TRANSECT). SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
- 8 SAMPLE TYPE: USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT.
- 9 COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
- 10 DEPTH OF SAMPLE: GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE " OR "
- 11 WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
- 12 CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS; 4 - 40 ML GLASS VIAL; 1 - 400 ML PLASTIC; 1 - 3 INCH STEEL TUBE; 1 - 8 OZ. GLASS JAR).
- 13 AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL).



DATE	0	1	2	0	9	1
TIME	1	1	1	S		
PAGE	1	OF	1			
PAGE						
PROJECT NO. 409721						

SAMPLE COLLECTION LOG

PROJECT NAME Sky Harbor ANG

SAMPLE NO. WV-PS3

SAMPLE LOCATION PS - 3

SAMPLE TYPE Water

COMPOSITE ✓ YES NO

COMPOSITE TYPE NA

DEPTH OF SAMPLE NA

WEATHER Cloudy

CONTAINERS USED

**AMOUNT
COLLECTED**

Z-401

COMMENTS:

WV-PS-3-1

pH - 7.36
Temp - 20.9°C
Cond - 1050

Sampled from bailer bottom.

PREPARED BY: J. T. [Signature]

COMMENTS: (Continued)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">DATE</td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%;"></td> </tr> <tr> <td>TIME</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>PAGE</td> <td colspan="5">____ OF ____</td> </tr> <tr> <td>PAGE</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="6">PROJECT NO.</td> </tr> </table>	DATE						TIME						PAGE	____ OF ____					PAGE						PROJECT NO.					
DATE																																
TIME																																
PAGE	____ OF ____																															
PAGE																																
PROJECT NO.																																

PREPARED BY: _____

LEGEND

1. A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
2. ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
4. DATE: USE MONTH/DAY/YEAR. I.E., 10/30/85
5. TIME: USE 24-HOUR CLOCK. I.E., 1835 FOR 6:35 P.M.
6. PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE ____ OF ____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
7. SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
8. SAMPLE TYPE: USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT.
9. COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
10. DEPTH OF SAMPLE: GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE ' OR "
11. WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
12. CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL).



**INTERNATIONAL
TECHNOLOGY
CORPORATION**

DATE	0	1	2	1	9	1
TIME	1	3	1	0		
PAGE	1		OF		1	
PAGE						
PROJECT NO. 409721						

SAMPLE COLLECTION LOG

PROJECT NAME Sky Harbor ANG

SAMPLE NO. QC-SW1-1

SAMPLE LOCATION Pointst Source water HPLC Burdick & Jackson Lot No. AY755

SAMPLE TYPE W

CONTAINERS USED	AMOUNT COLLECTED
<u>See below</u>	

COMPOSITE ✓ YES NO

COMPOSITE TYPE W

DEPTH OF SAMPLE NA

WEATHER Clear, 65°F

COMMENTS:

pH = 5.12
Cond = 50 μ mhos
Temp = 22.5°C

1 - 500 ml ~~poly~~ poly
2 - liter poly w/ HNO₃
4 - 40 ml vials w/ HCl
2 - amber glass liter
1 - amber glass liter w/ HCl

PREPARED BY:

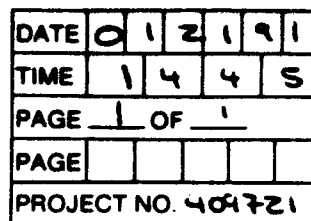
J. Tyler

COMMENTS: (Continued)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">DATE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">TIME</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td colspan="4" style="text-align: center;">____ OF ____</td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td colspan="5" style="padding: 2px;">PROJECT NO.</td> </tr> </table>	DATE					TIME					PAGE	____ OF ____				PAGE					PROJECT NO.				
DATE																											
TIME																											
PAGE	____ OF ____																										
PAGE																											
PROJECT NO.																											

PREPARED BY: _____

LEGEND

1. A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
2. ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
4. DATE: USE MONTH/DAY/YEAR. I.E., 10/30/85
5. TIME: USE 24-HOUR CLOCK. I.E., 1835 FOR 6:35 P.M.
6. PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE ____ OF ____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC
7. SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY
8. SAMPLE TYPE: USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT
9. COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
10. DEPTH OF SAMPLE: GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE " OR "
11. WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
12. CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL).



PROJECT NAME Sky Harbor ANG

SAMPLE NO. QC-ERI

SAMPLE LOCATION SBI-03

SAMPLE TYPE Water

COMPOSITE ☒ YES ☐ NO

COMPOSITE TYPE _____

DEPTH OF SAMPLE NA

WEATHER Clear, Warm 70°F

CONTAINERS USED	AMOUNT COLLECTED
<u>See below</u>	

COMMENTS:

Equipment Rinse of CA sampler

pH = 5.51

Cond = 10 μ mhos

Temp = 22.9°C

1-liter amber glass w/ HCl

1-liter amber glass

2-40-1 VOA's

PREPARED BY: J. Tyndal

COMMENTS: (Continued)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">DATE</td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> </tr> <tr> <td style="padding: 2px;">TIME</td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> </tr> <tr> <td style="padding: 2px;">PAGE ____ OF ____</td> <td colspan="7"></td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> </tr> <tr> <td style="padding: 2px;">PROJECT NO.</td> <td colspan="7"></td> </tr> </table>	DATE								TIME								PAGE ____ OF ____								PAGE								PROJECT NO.							
DATE																																										
TIME																																										
PAGE ____ OF ____																																										
PAGE																																										
PROJECT NO.																																										

PREPARED BY: _____

LEGEND

1. A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
2. ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED, IF NOT APPLICABLE MARK N/A.
4. DATE: USE MONTH/DAY/YEAR; I.E., 10/30/85
5. TIME: USE 24-HOUR CLOCK; I.E., 1835 FOR 6:35 P.M.
6. PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE ____ OF ____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY, I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
7. SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
8. SAMPLE TYPE: USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT
9. COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
10. DEPTH OF SAMPLE: GIVE UNITS, WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE " OR '.
11. WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS
12. CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS; 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC; 1 - 3 INCH STEEL TUBE; 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G. 1/2 FULL).

SAMPLE COLLECTION LOG

PROJECT NAME Six Harbor ANG
 SAMPLE NO. See Below
 SAMPLE LOCATION See Below SB1-03
 SAMPLE TYPE Soil
 COMPOSITE YES ☒ NO
 COMPOSITE TYPE _____
 DEPTH OF SAMPLE See Below
 WEATHER Partly Cloudy, Warm, Breezy

CONTAINERS USED	AMOUNT COLLECTED
6" D Press Screen	See Below
w/ Teflon lined	
Caps	

COMMENTS:	Sample #	Time	Bar Count	Humidity	Recovery
	SB1-03-0-2-01 & 02	1405	15, 12, 13	0	95%
NO	SB1-03-5-7-01 & 02	1420	13, 12, 18	-	0%
	SB1-03-10-12-01 & 02	1435	10, 16	0	50%
	SB1-03-15-17-01 & 02	1445	0, 50	-	10%
	SB1-03-20-22-01 & 02	1450	8, 11, 12	0	50%
NO	SB1-03-25-27-01 & 02	1510	50	-	0%
NO	SB1-03-30-32-01 & 02	1520	50	-	0%
	SB1-03-35-37-01 & 02	1535	16, 16, 50	0	75%
NO	SB1-03-40-42-01 & 02	1545	50	-	0%
NO	SB1-03-45-47-01 & 02	1550	50	-	0%
NO	SB1-03-50-52-01 & 02	1615	50	-	0%

PREPARED BY: Mark A. Fleming

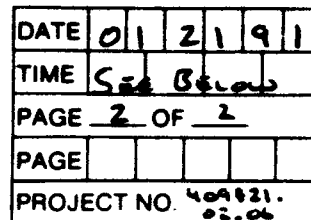
COMMENTS:
(Continued)

DATE 012191
TIME 1700
PAGE 2 OF 2
PAGE
PROJECT NO. 40721-02-01

PREPARED BY: M.G. Kline

LEGEND

- 1 A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
- 2 ALWAYS COMPLETE BOTH SIDES IF SECOND SIDE IS NOT USED. DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY
- 3 ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
- 4 DATE USE MONTH/DAY/YEAR, I.E., 10/30/85
- 5 TIME USE 24-HOUR CLOCK, I.E., 1835 FOR 6:35 P.M.
- 6 PAGE EACH SAMPLE TEAM SHOULD NUMBER PAGE _____ OF _____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY, I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
- 7 SAMPLE LOCATION USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
- 8 SAMPLE TYPE USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT
- 9 COMPOSITE TYPE I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
- 10 DEPTH OF SAMPLE GIVE UNITS, WRITE OUT UNITS SUCH AS INCHES, FEET, DON'T USE "OR".
- 11 WEATHER APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
- 12 CONTAINERS USED LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ GLASS JAR).
- 13 AMOUNT COLLECTED VOLUME IN CONTAINERS (E.G., 1/2 FULL).



PROJECT NAME SKY HARBOR ANG

SAMPLE NO. See Below

SAMPLE LOCATION Soil Boring SB1-03

SAMPLE TYPE Soil

COMPOSITE	CONTAINERS USED	AMOUNT COLLECTED
<u>YES</u> <input checked="" type="checkbox"/> <u>NO</u>		
COMPOSITE TYPE _____	<u>6" BRASS SLURVE</u>	<u>See Below</u>
DEPTH OF SAMPLE <u>See Below</u>	<u>w/ Teflon Lined</u>	
WEATHER _____	<u>Caps</u>	

COMMENTS:	SAMPLE #	TIME	DETAILED COMMENTS	HAIR READING	RECOVERY
SB1-03-	55-57-01, 02, 03	0810	21, 25, 23	0	75%

PREPARED BY: M. G. Gubini

COMMENTS:
(Continued)

The graph shows a smooth, decreasing curve on a grid. The curve starts at the top left corner of the grid and slopes downwards to the right. It passes through approximately 10 grid units horizontally and 10 grid units vertically, ending near the bottom right corner of the grid area.

DATE	0	1	2	1	9	1
TIME	0	8	3	0		
PAGE	2		OF		2	
PAGE						
PROJECT NO.	48821. 01.04					

PREPARED BY: M. G. Harding

LEGEND

- 1 A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
- 2 ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
- 3 ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
- 4 DATE: USE MONTH/DAY/YEAR: I.E., 10/30/85
- 5 TIME: USE 24-HOUR CLOCK: I.E., 1835 FOR 6:35 P.M.
- 6 PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE _____ OF _____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
- 7 SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
- 8 SAMPLE TYPE: USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT.
- 9 COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
- 10 DEPTH OF SAMPLE: GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE " OR "
- 11 WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
- 12 CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS; 4 - 40 ML GLASS VIAL; 1 - 400 ML PLASTIC; 1 - 3 INCH STEEL TUBE; 1 - 8 OZ GLASS JAR).
- 13 AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL).

SAMPLE COLLECTION LOG

PROJECT NAME Sky Horizon A016
 SAMPLE NO. See Below
 SAMPLE LOCATION Soil Boring SB1-04
 SAMPLE TYPE Soil
 COMPOSITE YES ☒ NO
 COMPOSITE TYPE _____
 DEPTH OF SAMPLE See Below
 WEATHER Cloudy, Cool, Breezy

CONTAINERS USED	AMOUNT COLLECTED
6" Brass	See Below
Sleeves w/ Ties	
Lined Core	

COMMENTS: Sample #	Time	Blow Count	Hand Reading	Reading
SB1-04-2-2-01 & 02	0855	12, 20, 24	0.2 ppm	~75%
SB1-04-5-2-01 & 02	0905	10, 16, 35	0	~95%
SB1-04-10-12-01 & 02	0915	18, 19, 30	0	~95%
SB1-04-15-13-01 & 02	0925	50	—	0%
SB1-04-24-22-01 & 02	0935	50	0	10%
SB1-04-25-22-01 & 02	0950	50	—	0%
SB1-04-30-32-01 & 02	0955	6, 10, 50+	0	10%
SB1-04-35-33-01 & 02	1010	50	—	0%
SB1-04-40-42-01 & 02	1025	50	0	5%
SB1-04-45-43-01 & 02	1040	50	—	0%
SB1-04-50-32-01 & 02	1055	50	—	0%
SB1-04-55-54-01 & 02	1105	13, 23, 22	0	75%
SB1-04-60-61-01 & 02	1115	50	—	0%
SB1-04-65-64-01 & 02	1125	50	—	0%
SB1-04-70-72-01 & 02	1135	50	—	0%

PREPARED BY: Mark G. Paulin

COMMENTS:
(Continued)

DATE 2 1 9 1
TIME 1 1 5 0
PAGE 2 OF 2
PAGE
PROJECT NO. 46321-020

PREPARED BY: M. G. Paulin 1/21/91

LEGEND

- 1 A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
2. ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED, IF NOT APPLICABLE MARK N/A.
4. DATE: USE MONTH/DAY/YEAR: I.E., 10/30/85
5. TIME: USE 24-HOUR CLOCK; I.E., 1835 FOR 6:35 P.M.
6. PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE _____ OF _____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY, I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
7. SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
8. SAMPLE TYPE: USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND); AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT.
9. COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
10. DEPTH OF SAMPLE: GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE "OR".
11. WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
12. CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL).

SAMPLE COLLECTION LOG

PROJECT NAME Sky Harbor ANG

SAMPLE NO. See Below

SAMPLE LOCATION Site 2, Sea Beach SB2-04

SAMPLE TYPE Soil

COMPOSITE YES ☒ NO

COMPOSITE TYPE _____

DEPTH OF SAMPLE See Below

WEATHER Sunny, Variable wind, warm

CONTAINERS USED	AMOUNT COLLECTED
6" Dens Sleeve	See Below
W T. Bore - Lines	
Caps	

COMMENTS:	Sample #	Time	Bore Case	Hole Reading	Rel. Comp
	SB2-04-0-2-01 & 02	1510	5,4,4	0 mm	95%
	SB2-04-5-7-01	1520	9,18,16	0	40%
id	SB2-04-10-12-	1530	50	-	0%
	SB2-04-15-17-01	1535	2,4,50	0	75%

PREPARED BY: M.G. Berlin

COMMENTS:
(Continued)

DATE	0	1	2	2	9	1
TIME	1	6	0	0		
PAGE	2 OF 2					
PAGE						
PROJECT NO.	40721-02.06					

PREPARED BY: *M.A. Harding*

LEGEND

1. A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
2. ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED, IF NOT APPLICABLE MARK N/A.
4. DATE: USE MONTH/DAY/YEAR: I.E., 10/30/85
5. TIME: USE 24-HOUR CLOCK, I.E., 1835 FOR 6:35 P.M.
6. PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE _____ OF _____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY, I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC
7. SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D. OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY
8. SAMPLE TYPE. USE THE FOLLOWING - SOIL; WATER (SURFACE OR GROUND); AIR (FILTERS, TUBES, AMBIENT, PERSONNEL); SLUDGE; DRUM CONTENTS; OIL; VEGETATION; WIPE; SEDIMENT
9. COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
10. DEPTH OF SAMPLE: GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE " OR "
11. WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
12. CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL).



DATE	01	22	91
TIME	See Below		
PAGE	1 OF 2		
PAGE			
PROJECT NO.	40721.02		

SAMPLE COLLECTION LOG

PROJECT NAME Ski Harbor ANG

SAMPLE NO. See Below

SAMPLE LOCATION Site 2, Soil Boring SB2-02

SAMPLE TYPE Soil

COMPOSITE YES ☒ NO

COMPOSITE TYPE _____

DEPTH OF SAMPLE See Below

WEATHER Clear, Warm, Breeze

CONTAINERS
USED

AMOUNT
COLLECTED

6-inch Bore

See Below

Success of Test

Under Cars

COMMENTS:	Sample #	Time	Bore Depth	Humidity	Relative
	SB2-02-01-01402	1110	8, 7, 5	0	95%
	SB2-02-01-01402	1115	6, 7, 10	0	95%
	SB2-02-10-12-01402	1125	8, 10, 16	0	60%
1117	SB2-02-15-17-01402		50	-	0%
	SB2-02-20-22-01	1155	50	0	1% (only)
	SB2-02-40-42-01402	1240	40, 50	0	75%
	SB2-02-50-52-01402	1255	13, 50	0	90%
	SB2-02-55-57-01	1315	50	-	40%
	SB2-02-70-72-01402	1350	19, 26	0	80%

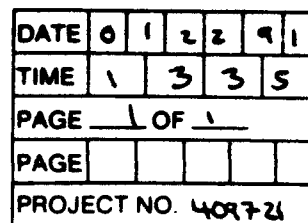
PREPARED BY: M.G. Haden

COMMENTS: (Continued)	<table border="1" style="float: right; border-collapse: collapse;"> <tr> <td style="padding: 2px;">DATE</td> <td style="padding: 2px;">0</td> <td style="padding: 2px;">1</td> <td style="padding: 2px;">2</td> <td style="padding: 2px;">2</td> <td style="padding: 2px;">4</td> <td style="padding: 2px;">1</td> </tr> <tr> <td style="padding: 2px;">TIME</td> <td style="padding: 2px;">1</td> <td style="padding: 2px;">4</td> <td style="padding: 2px;">0</td> <td style="padding: 2px;">0</td> <td colspan="2"></td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td colspan="6" style="padding: 2px;">2 OF 2</td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td colspan="6"></td> </tr> <tr> <td style="padding: 2px;">PROJECT NO.</td> <td colspan="6" style="padding: 2px;">401321. 02-85</td> </tr> </table>	DATE	0	1	2	2	4	1	TIME	1	4	0	0			PAGE	2 OF 2						PAGE							PROJECT NO.	401321. 02-85					
DATE	0	1	2	2	4	1																														
TIME	1	4	0	0																																
PAGE	2 OF 2																																			
PAGE																																				
PROJECT NO.	401321. 02-85																																			

PREPARED BY: M.A. Perkins

LEGEND

1. A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
2. ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED, IF NOT APPLICABLE MARK N/A.
4. DATE: USE MONTH/DAY/YEAR; I.E., 10/30/85
5. TIME: USE 24-HOUR CLOCK; I.E., 1835 FOR 6:35 P.M.
6. PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE _____ OF _____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC
7. SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY
8. SAMPLE TYPE: USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT.
9. COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
10. DEPTH OF SAMPLE: GIVE UNITS, WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE ' OR ''
11. WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
12. CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS; 4 - 40 ML GLASS VIAL; 1 - 400 ML PLASTIC; 1 - 3 INCH STEEL TUBE; 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL).



PROJECT NAME Skyl Harbor ANG

SAMPLE NO. QC-ERZ (from Lot No AY755 Buick & Jackson)

SAMPLE LOCATION Soil Boring sampler rinsate SBZ-OZ

SAMPLE TYPE Water

CONTAINERS USED	AMOUNT COLLECTED
<u>See below</u>	

COMPOSITE ☒ YES ☐ NO

COMPOSITE TYPE —

DEPTH OF SAMPLE NA

WEATHER Clear, warm 68°F

COMMENTS:

Could not perform field parameter check. Limited water supply only sufficient to collect sample bottles.

Temp = approx ambient ~~22°C~~ 18.5°C
JT

2 - liters poly w/ HNO₃
2 - amber glass one w/ HCl
2 - 40 ml glass w/ HCl

PREPARED BY:

PREPARED BY: J. J. G. J.

COMMENTS: (Continued)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">DATE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">TIME</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">PAGE ____ OF ____</td> <td colspan="4"></td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">PROJECT NO.</td> <td colspan="4"></td> </tr> </table>	DATE					TIME					PAGE ____ OF ____					PAGE					PROJECT NO.				
DATE																											
TIME																											
PAGE ____ OF ____																											
PAGE																											
PROJECT NO.																											

PREPARED BY: _____

LEGEND

- 1 A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
- 2 ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY
- 3 ALL ENTRIES ON LOG ARE TO BE COMPLETED, IF NOT APPLICABLE MARK N/A.
- 4 DATE USE MONTH/DAY/YEAR; I.E., 10/30/85
- 5 TIME USE 24-HOUR CLOCK. I.E., 1835 FOR 6:35 P.M.
- 6 PAGE EACH SAMPLE TEAM SHOULD NUMBER PAGE ____ OF ____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
- 7 SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
- 8 SAMPLE TYPE USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND); AIR (FILTERS, TUBES, AMBIENT, PERSONNEL); SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT
- 9 COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
- 10 DEPTH OF SAMPLE GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE " OR '.
- 11 WEATHER APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
- 12 CONTAINERS USED LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ. GLASS JAR).
- 13 AMOUNT COLLECTED VOLUME IN CONTAINERS (E.G., 1/2 FULL).



DATE	01	23	91
TIME	See Below		
PAGE	1 OF 2		
PAGE			
PROJECT NO.	40721-02-01		

SAMPLE COLLECTION LOG

PROJECT NAME SKY HORIZON ANG

SAMPLE NO. SEE BELOW

SAMPLE LOCATION SITE 2, BORING SB2-04

SAMPLE TYPE SOIL

COMPOSITE YES ☒ NO

COMPOSITE TYPE _____

DEPTH OF SAMPLE SEE BELOW

WEATHER _____

CONTAINERS USED	AMOUNT COLLECTED
<u>2x 6-inch</u>	<u>SEE BELOW</u>
<u>BRASS SCREEN w/</u>	
<u>TEFLON-LINED CAPS</u>	

COMMENTS: Sample #	Time	Bore Comp	Hand Reading	Recovery
SB2-04-50-52-01	0905	50	0	10%
SB2-04-55-57-01	0915	50	0	90%
SB2-04-70-72-01/02	0955	7, 16, 22	0.6 ppm	30%

PREPARED BY: Michael A. Hamilton 1/28/91

COMMENTS:
(Continued)

DATE	0	1	2	3	9	1
TIME	1	3	0	0		
PAGE	2 OF 2					
PAGE						
PROJECT NO.	40961. 02-06					

PREPARED BY: Mark A. Rendon

LEGEND

- 1 A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
- 2 ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY
- 3 ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
- 4 DATE USE MONTH/DAY/YEAR. I.E., 10/30/85
- 5 TIME USE 24-HOUR CLOCK. I.E., 1835 FOR 6:35 P M
- 6 PAGE EACH SAMPLE TEAM SHOULD NUMBER PAGE ____ OF ____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
- 7 SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
- 8 SAMPLE TYPE USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT
- 9 COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
- 10 DEPTH OF SAMPLE. GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE " OR "
- 11 WEATHER. APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS
- 12 CONTAINERS USED. LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS; 4 - 40 ML GLASS VIAL; 1 - 400 ML PLASTIC; 1 - 3 INCH STEEL TUBE; 1 - 8 OZ. GLASS JAR)
- 13 AMOUNT COLLECTED. VOLUME IN CONTAINERS (E.G., 1/2 FULL)

DATE	0	1	2	3	9	1
TIME	1	2	3	0		
PAGE	1 OF 1					
PAGE						
PROJECT NO. 409721						

SAMPLE COLLECTION LOG

PROJECT NAME Sky Harbor ANG

SAMPLE NO. QC-ER3

SAMPLE LOCATION Equip Rinse SBZ-04

SAMPLE TYPE Water

COMPOSITE ☒ YES ☐ NO

COMPOSITE TYPE —

DEPTH OF SAMPLE NA

WEATHER Clear 70°F

CONTAINERS USED	AMOUNT COLLECTED
<u>See below</u>	

COMMENTS:	
	<u>Equipment Rinse</u>
	<u>1-liter amber glass w/ HCl</u>
	<u>1-liter amber glass</u>
	<u>2-40ml glass w/ HCl</u>
	<u>2-40ml glass w/ HCl</u>
	<u>2-liter poly w/ HNO₃</u>
	<u>pH = 5.50</u>
	<u>cond = 30 µmhos</u>
	<u>Temp = 14°C</u>

PREPARED BY: J. Tylor

COMMENTS: (Continued)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">DATE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">TIME</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td colspan="4" style="text-align: center;">____ OF ____</td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">PROJECT NO.</td> <td colspan="4" style="height: 20px;"></td> </tr> </table>	DATE					TIME					PAGE	____ OF ____				PAGE					PROJECT NO.				
DATE																											
TIME																											
PAGE	____ OF ____																										
PAGE																											
PROJECT NO.																											

PREPARED BY: _____

LEGEND

1. A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
2. ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED, IF NOT APPLICABLE MARK N/A.
4. DATE: USE MONTH/DAY/YEAR, I.E., 10/30/85
5. TIME: USE 24-HOUR CLOCK, I.E., 1835 FOR 6:35 P M
6. PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE ____ OF ____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY, I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC
7. SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY
8. SAMPLE TYPE: USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT
9. COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
10. DEPTH OF SAMPLE: GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE ' OR "
11. WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
12. CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ. GLASS JAR)
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL)



DATE	0	1	2	3	9	1
TIME	1	1	0	0		
PAGE	1		OF		1	
PAGE						
PROJECT NO. 409721						

PROJECT NAME	Sky Harbor ANG	
SAMPLE NO.	QC-FB2	
SAMPLE LOCATION	Field Blank of D.I. water	
SAMPLE TYPE	Water	
COMPOSITE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
COMPOSITE TYPE	—	
DEPTH OF SAMPLE	NA	
WEATHER	Clear 58°F	
	CONTAINERS USED	AMOUNT COLLECTED
	See below	

COMMENTS:

pH = 5.51
Cond = 40 μ mhos
Temp = 13.1 $^{\circ}$ C

1-liter glass w/ HCl
2-liter glass
4 - 40ml glass w/ HCl
2 - 1 liter poly w/ ~~H₂SO₄~~ ^{HNO₃}
1 - 500ml poly w/ H₂SO₄

PREPARED BY: J. Tyburn

COMMENTS: (Continued)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">DATE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">TIME</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td colspan="5" style="text-align: center;">____ OF ____</td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">PROJECT NO.</td> <td colspan="5" style="height: 20px;"></td> </tr> </table>	DATE						TIME						PAGE	____ OF ____					PAGE						PROJECT NO.					
DATE																																
TIME																																
PAGE	____ OF ____																															
PAGE																																
PROJECT NO.																																

PREPARED BY: _____

LEGEND

1. A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
2. ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED, IF NOT APPLICABLE MARK N/A.
4. DATE: USE MONTH/DAY/YEAR: I.E., 10/30/85
5. TIME: USE 24-HOUR CLOCK: I.E., 1835 FOR 6:35 P.M.
6. PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE ____ OF ____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC
7. SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY
8. SAMPLE TYPE: USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT
9. COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
10. DEPTH OF SAMPLE: GIVE UNITS, WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE "OR"
11. WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS
12. CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL).

SAMPLE COLLECTION LOG

PROJECT NAME S. H. HARRIS ANG

SAMPLE NO. See Below

SAMPLE LOCATION Maxima Well MW1-02, Site 1

SAMPLE TYPE Soil

COMPOSITE YES ☒ NO

COMPOSITE TYPE _____

DEPTH OF SAMPLE See Below

WEATHER Summer, Clear, Breeze

CONTAINERS USED	AMOUNT COLLECTED
6" Bams	See Below
Sleeves 4	
Trench Lines 2	

COMMENTS:	Sample #	Time	Bam Count	Min. Return	Recovery
* STD	MW1-02-01-01-01	0815	12, 12, 21	0	100%
* MW1-02-01-01-01		0915	50	0	20%
MW1-02-01-01-01	01-01-01	0915			
	MW1-02-01-01-01	0950	12, 15, 20	0	50%
* MW1-02-01-01-01		1030	50	0	40%
* MW1-02-01-01-01		1045	50	0	20%
	MW1-02-01-01-01	1055	50	0	40%
	MW1-02-01-01-01	1140	50	0	50%
	MW1-02-TB	1700			
* Sample to Field Lab. Not enough to send to Chemists.					

PREPARED BY: M. L. Henderson

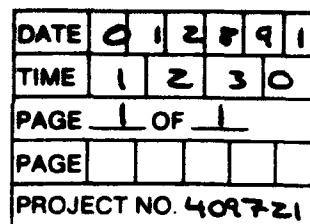
COMMENTS:
(Continued)

DATE	0	1	2	8	9	1
TIME	1	6	0	0		
PAGE	2 OF 2					
PAGE						
PROJECT NO.	40731. 02.68					

PREPARED BY: *M. L. Audin*

LEGEND

1. A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
2. ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED, IF NOT APPLICABLE MARK N/A.
4. DATE: USE MONTH/DAY/YEAR: I.E., 10/30/85
5. TIME: USE 24-HOUR CLOCK: I.E., 1835 FOR 6:35 P.M.
6. PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE _____ OF _____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY, I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
7. SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
8. SAMPLE TYPE: USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND); AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT.
9. COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
10. DEPTH OF SAMPLE: GIVE UNITS, WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE ' OR ".
11. WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
12. CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS; 4 - 40 ML GLASS VIAL; 1 - 400 ML PLASTIC; 1 - 3 INCH STEEL TUBE; 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G. 1/2 FULL).



PROJECT NAME SKY Harbor ANG

SAMPLE NO. QC-ER4

SAMPLE LOCATION MW1-03

SAMPLE TYPE Rinse of sampler

CONTAINERS USED	AMOUNT COLLECTED
<u>See below</u>	

COMPOSITE ☒ YES ☐ NO

COMPOSITE TYPE Water

DEPTH OF SAMPLE NA

WEATHER 60°F Clear Cal

COMMENTS:

Rinse of soil sampler

pH = 4.98
Cond = 20 μmhos
Temp = 22.7°C

1- liter amber w/ HCl
1- liter amber
2- 40-ml glass

PREPARED BY: J. Tyndall

COMMENTS: (Continued)	<div style="position: absolute; top: 0; right: 0; width: 100px; height: 100px; border: 1px solid black; padding: 5px;"> DATE TIME PAGE ____ OF ____ PAGE PROJECT NO. </div>
---------------------------------	--

DATE
 TIME
 PAGE ____ OF ____
 PAGE
 PROJECT NO.

PREPARED BY: _____

LEGEND

- 1 A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
- 2 ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
- 3 ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
- 4 DATE USE MONTH/DAY/YEAR: I.E., 10/30/85
- 5 TIME USE 24-HOUR CLOCK: I.E., 1835 FOR 6:35 P M
- 6 PAGE EACH SAMPLE TEAM SHOULD NUMBER PAGE ____ OF ____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC
- 7 SAMPLE LOCATION USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY
- 8 SAMPLE TYPE USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND); AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT
- 9 COMPOSITE TYPE, I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
- 10 DEPTH OF SAMPLE GIVE UNITS, WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE ' OR "
- 11 WEATHER APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
- 12 CONTAINERS USED LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS; 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ. GLASS JAR).
- 13 AMOUNT COLLECTED, VOLUME IN CONTAINERS (E.G. 1/2 FULL).



DATE	0	1	2	9	91
TIME	See Below				
PAGE	1	OF 2			
PAGE					
PROJECT NO.	4097202				

SAMPLE COLLECTION LOG

PROJECT NAME SKY HARBOR ARX

SAMPLE NO. See Below

SAMPLE LOCATION St. Sky Harbor Benthic Well, MWS-U1

SAMPLE TYPE Soil

COMPOSITE YES ☒ NO

COMPOSITE TYPE -

DEPTH OF SAMPLE See Below

WEATHER Summer, very windy, cool

CONTAINERS USED	AMOUNT COLLECTED
6" Bore Sleeve	See Below
4 Teflon Lined	
Cats	

COMMENTS:	Sample #	Time	Flow Count	Water Analysis	Recovery %
8 MBSS-01-0-2-01, 02, 03		1310	4, 10, 12	0.2	100, 100, 90
MBSS-01-5-7-01		1330	10, 30	0	20, 0, 0
MBSS-01-10-12-01		1340	8, 10, 50	0	20, 0, 0
MBSS-01-10-12-01		1520	22, 22, 25	-	70, 0, 0
MBSS-01-TB (Turbidimetric Sample)		0200	NA	NA	NA

PREPARED BY: M. A. Gordin

COMMENTS:
(Continued)

DATE	0	1	2	9	9	1
TIME	1	7	0	0		
PAGE	2 OF 2					
PAGE						
PROJECT NO.	40721.08.					

PREPARED BY: M. G. Eshwin

LEGEND

- 1 A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
- 2 ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
- 4 DATE. USE MONTH/DAY/YEAR: I.E., 10/30/85
- 5 TIME. USE 24-HOUR CLOCK. I.E., 1835 FOR 6:35 P.M.
- 6 PAGE. EACH SAMPLE TEAM SHOULD NUMBER PAGE _____ OF _____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
- 7 SAMPLE LOCATION. USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
- 8 SAMPLE TYPE. USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT.
- 9 COMPOSITE TYPE. I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
- 10 DEPTH OF SAMPLE. GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE "OR"
- 11 WEATHER. APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
- 12 CONTAINERS USED. LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ. GLASS JAR).
- 13 AMOUNT COLLECTED. VOLUME IN CONTAINERS (E.G., 1/2 FULL).



DATE	0	1	2	4	9	1
TIME	See Below					
PAGE	1 OF 1					
PAGE						
PROJECT NO.	401821.02					

SAMPLE COLLECTION LOG

PROJECT NAME SKT Houston NW
SAMPLE NO. See Below
SAMPLE LOCATION Site 2, Site Boring, SB2-01
SAMPLE TYPE Soils
COMPOSITE YES ☒ NO
COMPOSITE TYPE —
DEPTH OF SAMPLE See Below
WEATHER Sunny, Breezy, Clear

CONTAINERS USED	AMOUNT COLLECTED
6" Bags, Sealed	See Below
1/4" Tapered - Lined	
Caps	

COMMENTS:	Sample #	Time	Bore Count	Half Reading	Reading
x	SB2-01-0-2-01, 02 & 03	0805	4, 8, 9	0.2	100, 50, 30
	SB2-01-0-7-01	0815	4, 7, 8	0	35, 0, 0
	SB2-01-10-12-01	0830	10, 11, 13	0	50, 0, 0
	SB2-01-15-17-01	0840	50	0	90, 0, 0
x	SB2-01-50-52-01 & 02	1005	50	0	100, 70, 0
+	SB2-01-55-53-01 & 02	1015	50	0	60, 20, 0
+	SB2-01-60-62-01	1035	50	0	10, 0, 0

PREPARED BY: MA. Harding

COMMENTS:
(Continued)

DATE

TIME

PAGE ____ OF ____

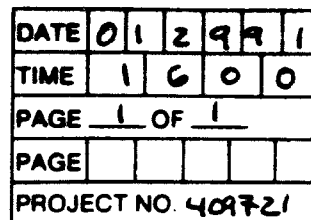
PAGE

PROJECT NO.

PREPARED BY: _____

LEGEND

1. A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
2. ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
4. DATE: USE MONTH/DAY/YEAR: I.E., 10/30/85
5. TIME: USE 24-HOUR CLOCK: I.E., 1835 FOR 6:35 P.M.
6. PAGE. EACH SAMPLE TEAM SHOULD NUMBER PAGE ____ OF ____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY, I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
7. SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
8. SAMPLE TYPE: USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT.
9. COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
10. DEPTH OF SAMPLE: GIVE UNITS, WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE " OR "
11. WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
12. CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL).



PROJECT NAME SKY Harbor ANG
 SAMPLE NO. QC - ERS
 SAMPLE LOCATION MWS-01
 SAMPLE TYPE Water
 COMPOSITE ☒ YES ☐ NO
 COMPOSITE TYPE Routine
 DEPTH OF SAMPLE NA
 WEATHER 60°F, Clear, 10-mph NW wind

CONTAINERS USED	AMOUNT COLLECTED
<u>See below</u>	

COMMENTS:

Rinse sample from sampler at Well MWS-01

pH: 5.53
Cond: 110 μ mhos
Temp: 20.2°C

1-liter amber glass w/ HCl
2-liters amber glass
2-liters poly w/ HNO₃
1-500-ml poly
2-40-ml glass w/ HCl
2-40-ml glass w/ HCl (trip blanks)

PREPARED BY: J. Tyland

COMMENTS: (Continued)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">DATE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">TIME</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td colspan="4" style="text-align: center;">____ OF ____</td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">PROJECT NO.</td> <td colspan="4" style="height: 20px;"></td> </tr> </table>	DATE					TIME					PAGE	____ OF ____				PAGE					PROJECT NO.				
DATE																											
TIME																											
PAGE	____ OF ____																										
PAGE																											
PROJECT NO.																											

PREPARED BY: JET

LEGEND

1. A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
2. ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED, IF NOT APPLICABLE MARK N/A.
4. DATE: USE MONTH/DAY/YEAR; I.E., 10/30/85
5. TIME: USE 24-HOUR CLOCK; I.E., 1835 FOR 6:35 P.M.
6. PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE ____ OF ____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY, I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC
7. SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY
8. SAMPLE TYPE: USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT
9. COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
10. DEPTH OF SAMPLE: GIVE UNITS, WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE " OR "
11. WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
12. CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL).



INTERNATIONAL
TECHNOLOGY
CORPORATION

DATE	01	30	91
TIME	See Below		
PAGE	1 OF 1		
PAGE			
PROJECT NO.	401721.02		

SAMPLE COLLECTION LOG

PROJECT NAME SRI HANZHI ANH

SAMPLE NO. See Below

SAMPLE LOCATION SRI HANZHI PRODUCTION WILDERNESS AREA

SAMPLE TYPE Soil

COMPOSITE YES ☒ NO

COMPOSITE TYPE —

DEPTH OF SAMPLE See Below

WEATHER SUNNY, CLEAR, BREEZY, COLD

CONTAINERS USED	AMOUNT COLLECTED
<u>Double Bag</u>	<u>See Below</u>
<u>Shovel w/ Trowel</u>	
<u>Linear Core</u>	

COMMENTS	SAMPLE #	TIME	PLANT COUNT	HAI/REASON	REMARKS	COMMENTS
* MBS-03-0-2-01, 02, 03		1325	2050	0	100, 3520	THOUGHTS & F.L.
* MBS-03-5-7-01, 02		1350	6, 9, 13	0	70, 0, 30	CORRECTIONS & F.L.
* MBS-03-50-52-01		1540	50	0	10%	F.L.
MBS-03-TB		0800	—	—	—	TAIR Blank
DATE: 01/31/91						
* MBS-03-75-77-01		0830	40, 50		20, 0	F.L.

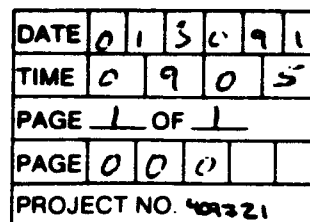
PREPARED BY: M.G. HANZHI

COMMENTS: (Continued)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">DATE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">TIME</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td colspan="5" style="text-align: center; padding: 2px;">____ OF ____</td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">PROJECT NO.</td> <td colspan="5" style="height: 20px;"></td> </tr> </table>	DATE						TIME						PAGE	____ OF ____					PAGE						PROJECT NO.					
DATE																																
TIME																																
PAGE	____ OF ____																															
PAGE																																
PROJECT NO.																																

PREPARED BY: _____

LEGEND

1. A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
2. ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED, IF NOT APPLICABLE MARK N/A.
4. DATE: USE MONTH/DAY/YEAR: I.E., 10/30/85
5. TIME: USE 24-HOUR CLOCK: I.E., 1835 FOR 6:35 P.M.
6. PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE ____ OF ____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY, I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC
7. SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY
8. SAMPLE TYPE: USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT
9. COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
10. DEPTH OF SAMPLE: GIVE UNITS, WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE " OR "
11. WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
12. CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS; 4 - 40 ML GLASS VIAL; 1 - 400 ML PLASTIC; 1 - 3 INCH STEEL TUBE; 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G. 1/2 FULL)



PROJECT NAME SKY HARBOR ANG

SAMPLE NO. QC-FB3 + QC-FB3-TB

SAMPLE LOCATION DECK TRAILER

SAMPLE TYPE WATER

COMPOSITE YES X NO

COMPOSITE TYPE N/A

DEPTH OF SAMPLE N/A

WEATHER SUNNY, COOL, SLIGHT BREEZE ~ 45

CONTAINERS USED	AMOUNT COLLECTED
<u>SEE BELOW</u>	

[illegible]

PREPARED BY:

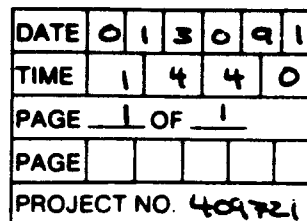
von Aarnhede

COMMENTS: (Continued)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">DATE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">TIME</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">PAGE ____ OF ____</td> <td colspan="5"></td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">PROJECT NO.</td> <td colspan="5"></td> </tr> </table>	DATE						TIME						PAGE ____ OF ____						PAGE						PROJECT NO.					
DATE																																
TIME																																
PAGE ____ OF ____																																
PAGE																																
PROJECT NO.																																

PREPARED BY: _____

LEGEND

- 1 A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
- 2 ALWAYS COMPLETE BOTH SIDES IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY
- 3 ALL ENTRIES ON LOG ARE TO BE COMPLETED, IF NOT APPLICABLE MARK N/A.
- 4 DATE USE MONTH/DAY/YEAR: I.E., 10/30/85
- 5 TIME USE 24-HOUR CLOCK: I.E., 1835 FOR 6:35 P.M.
- 6 PAGE EACH SAMPLE TEAM SHOULD NUMBER PAGE ____ OF ____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC
- 7 SAMPLE LOCATION USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY
- 8 SAMPLE TYPE USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND); AIR (FILTERS, TUBES, AMBIENT, PERSONNEL); SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT
- 9 COMPOSITE TYPE, I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
- 10 DEPTH OF SAMPLE GIVE UNITS, WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE ' OR "
- 11 WEATHER APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
- 12 CONTAINERS USED LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS; 4 - 40 ML GLASS VIAL; 1 - 400 ML PLASTIC; 1 - 3 INCH STEEL TUBE; 1 - 8 OZ GLASS JAR)
- 13 AMOUNT COLLECTED VOLUME IN CONTAINERS (E.G. 1/2 FULL).



PROJECT NAME Sky Harbor AUG

SAMPLE NO. QC - ER6

SAMPLE LOCATION Eggn Point MWS-03

SAMPLE TYPE Water

COMPOSITE ☒ YES ☐ NO

COMPOSITE TYPE Water

DEPTH OF SAMPLE NA

WEATHER Clear, calm 64°F

CONTAINERS USED	AMOUNT COLLECTED
<u>See Below</u>	

COMMENTS:

Equip. Rinseate of sampler from background well MWS-03

pH - 4.93
Cond - 20 μ mhos
Temp - 22.0 $^{\circ}$ C

1-liter glass w/ HCl
2-liters glass
2-liter poly w/ HNO_3
1-500-ml poly w/ H_2SO_4
2-40-ml glass w/ HCl

PREPARED BY:

f. Tynd.

COMMENTS: (Continued)	<div style="position: absolute; top: 0; right: 0; width: 150px; border: 1px solid black; padding: 5px;"> <div style="display: flex; justify-content: space-between;"> <div>DATE </div> <div>TIME </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div>PAGE OF </div> <div>PAGE </div> </div> <div style="margin-top: 5px;">PROJECT NO. </div> </div>
---------------------------------	--

PREPARED BY: _____

LEGEND

1. A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
2. ALWAYS COMPLETE BOTH SIDES IF SECOND SIDE IS NOT USED. DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
4. DATE USE MONTH/DAY/YEAR. I.E., 10/30/85
5. TIME USE 24-HOUR CLOCK. I.E., 1835 FOR 6:35 P.M.
6. PAGE EACH SAMPLE TEAM SHOULD NUMBER PAGE _____ OF _____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
7. SAMPLE LOCATION USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
8. SAMPLE TYPE USE THE FOLLOWING - SOIL WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS OIL VEGETATION, WIPE SEDIMENT
9. COMPOSITE TYPE I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
10. DEPTH OF SAMPLE GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE "OR"
11. WEATHER APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS
12. CONTAINERS USED LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ. GLASS JAR)
13. AMOUNT COLLECTED VOLUME IN CONTAINERS (E.G., 1/2 FULL)



DATE	0	1	3	1	9	1
TIME	1	6	1	5		
PAGE	1 OF 1					
PAGE						
PROJECT NO. 409721						

SAMPLE COLLECTION LOG

PROJECT NAME Sky Harbor ANG
SAMPLE NO. QC - ER7
SAMPLE LOCATION Equip Rinseate MWS-02
SAMPLE TYPE Water
COMPOSITE ☒ YES ☐ NO
CONTAINERS USED See Below
COMPOSITE TYPE Water
AMOUNT COLLECTED
DEPTH OF SAMPLE NA
WEATHER 70°F, Clear

COMMENTS:
Equip. Rinseate of CA sampler and brass rings
pH = 4.20
Cond = 30
Temp = 22.9 °C
1-liter glass w/ HCl
2-liter glass
2-40-1 glass w/ HCl
2-liters poly w/ HNO ₃
1-500-1 poly w/ H ₂ SO ₄
2-40-1 glass w/ HCl Trip Blank

PREPARED BY:

J. Tyland

COMMENTS: (Continued)	<div style="border: 1px solid black; width: 100%; height: 100%; position: relative;"> <!-- Grid representation --> <div style="position: absolute; top: 0; left: 0; width: 100%; height: 100%; background-image: linear-gradient(to right, transparent 49%, black 49%, black 51%, transparent 51%), linear-gradient(to bottom, transparent 49%, black 49%, black 51%, transparent 51%); background-size: 50% 50%;"></div> <!-- Diagonal line from top-left to bottom-right --> <div style="position: absolute; top: 0; left: 0; width: 100%; height: 100%; border-left: 2px solid black; border-bottom: 2px solid black; transform: rotate(45deg);"></div> </div>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">DATE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">TIME</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">PAGE ____ OF ____</td> <td colspan="4"></td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">PROJECT NO.</td> <td colspan="4"></td> </tr> </table>	DATE					TIME					PAGE ____ OF ____					PAGE					PROJECT NO.				
DATE																											
TIME																											
PAGE ____ OF ____																											
PAGE																											
PROJECT NO.																											

PREPARED BY: _____

LEGEND

1. A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
2. ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED, IF NOT APPLICABLE MARK N/A.
4. DATE: USE MONTH/DAY/YEAR; I.E., 10/30/85
5. TIME: USE 24-HOUR CLOCK; I.E., 1835 FOR 6:35 P.M.
6. PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE ____ OF ____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY; I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
7. SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
8. SAMPLE TYPE: USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT.
9. COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
10. DEPTH OF SAMPLE: GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE "OR"
11. WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
12. CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1 L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL).

DATE	0	1	3	1	91
TIME	1	4	4	5	
PAGE	1 OF 1				
PAGE					
PROJECT NO. 409721					

SAMPLE COLLECTION LOG

PROJECT NAME Sky Harbor ANG

SAMPLE NO. QC-FB4

SAMPLE LOCATION D.I. Field Blank

SAMPLE TYPE Water

COMPOSITE ☒ YES ☐ NO

COMPOSITE TYPE Water

DEPTH OF SAMPLE NA

WEATHER 70°F, Clear

CONTAINERS USED	AMOUNT COLLECTED
<u>See Below</u>	

COMMENTS:	
<p>Field Blank of first shipment of 5 gallon bottles of distilled water</p> <p>pH = 4.38 Cond = 110 μmhos Temp = 22.6°C</p> <p>1-liter w/ HCl 2-liters glass 2-liters poly w/ HNO₃ 1-500ml poly w/ H₂SO₄ 4-40ml glass w/ HCl</p>	

PREPARED BY:

J. Tyland

COMMENTS: (Continued)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">DATE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">TIME</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">PAGE ____ OF ____</td> <td colspan="5"></td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">PROJECT NO.</td> <td colspan="5"></td> </tr> </table>	DATE						TIME						PAGE ____ OF ____						PAGE						PROJECT NO.					
DATE																																
TIME																																
PAGE ____ OF ____																																
PAGE																																
PROJECT NO.																																

PREPARED BY: _____

LEGEND

1. A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
2. ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED, IF NOT APPLICABLE MARK N/A.
4. DATE: USE MONTH/DAY/YEAR: I.E., 10/30/85
5. TIME: USE 24-HOUR CLOCK: I.E., 1835 FOR 6:35 P.M.
6. PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE ____ OF ____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
7. SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
8. SAMPLE TYPE: USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND); AIR (FILTERS, TUBES, AMBIENT, PERSONNEL); SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT.
9. COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
10. DEPTH OF SAMPLE: GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE ' OR "
11. WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
12. CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL)



DATE	013191
TIME	See Below
PAGE	1 OF 1
PAGE	
PROJECT NO.	409221.02.06

SAMPLE COLLECTION LOG

PROJECT NAME SKY HORIZON ANAL
SAMPLE NO. See Below
SAMPLE LOCATION SKY HORIZON BRACKENRIDGE LANE MUDS-02
SAMPLE TYPE Soil
COMPOSITE YES ☒ NO
COMPOSITE TYPE —
DEPTH OF SAMPLE See Below
WEATHER Sunny, Breezy, Cool

CONTAINERS USED	AMOUNT COLLECTED
6 WH 8000	See Below
Sealings w/ Teflon-	
Unlined Cans	

COMMENTS:	Sample #	Time	Bar Count	Wt. Bar	Pickup	Comments
*	MBS-02-02-01-03,03	1425	14,22,26	0	100,90,80	2-L, 1-F.L
*	MBS-02-05-07-01,02,03	1435	10,15,20	0	20,20,20	2-L, 1-F.L
*	MBS-02-10-12-01,02,03	1445	18,6,6	0	100,90,20	1-L, 1-F.L
*	MBS-02-15-12-01	1455	50	0	20,0,0	F.L
*	MBS-02-25-12-01	1520	50	0 to 02	20,0,0	F.L
*	MBS-02-40-42-01	1605	50	0	20,0,0	F.L
	MBS-02-TD	0800	—	—	—	Check for Pump

PREPARED BY: M.A. Henderson

COMMENTS:
(Continued)

DATE					
TIME					
PAGE	_____ OF _____				
PAGE					
PROJECT NO.					

PREPARED BY: _____

LEGEND

1. A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
2. ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
4. DATE: USE MONTH/DAY/YEAR: I.E., 10/30/85
5. TIME: USE 24-HOUR CLOCK: I.E., 1835 FOR 6:35 P.M.
6. PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE _____ OF _____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY, I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
7. SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY
8. SAMPLE TYPE: USE THE FOLLOWING - SOIL: WATER (SURFACE OR GROUND); AIR (FILTERS, TUBES, AMBIENT, PERSONNEL); SLUDGE: DRUM CONTENTS: OIL: VEGETATION: WIPE: SEDIMENT.
9. COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
10. DEPTH OF SAMPLE: GIVE UNITS, WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE ' OR ".
11. WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
12. CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS: 4 - 40 ML GLASS VIAL: 1 - 400 ML PLASTIC: 1 - 3 INCH STEEL TUBE: 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G. 1/2 FULL).



DATE	020191
TIME	See Below
PAGE	1 OF 1
PAGE	
PROJECT NO.	409721.02.06

SAMPLE COLLECTION LOG

PROJECT NAME Star Haven Ark
SAMPLE NO. See Below
SAMPLE LOCATION SITE 4, Pecos Mun. Reservoir
SAMPLE TYPE Soil
COMPOSITE ☒ YES ☐ NO
COMPOSITE TYPE _____
DEPTH OF SAMPLE NA
WEATHER Overcast, cool, Breezy

CONTAINERS USED	AMOUNT COLLECTED
<u>50 mL Can</u>	<u>See Below</u>
<u>Glass w/ Teras</u>	
<u>Lined Car</u>	

COMMENTS:	Sample #	Time	Make Range	Comments
			ppm	
	SV-MW4-02-1	1000	0	Field Lab Sample
	SV-PP1-1	1130	0	Field Lab Composite
	SV-PP2-1	1130	0	Field Lab Composite
	SV-PP3-1	1130	0	Field Lab Composite
	SV-MW4-01-1	1345	0	Field Lab Composite

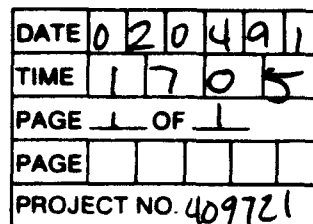
PREPARED BY: Mark A. Harkin

COMMENTS: (Continued)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">DATE</td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> </tr> <tr> <td style="padding: 2px;">TIME</td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td colspan="5" style="text-align: center;">____ OF ____</td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> </tr> <tr> <td colspan="6" style="padding: 2px;">PROJECT NO.</td> </tr> </table>	DATE						TIME						PAGE	____ OF ____					PAGE						PROJECT NO.					
DATE																																
TIME																																
PAGE	____ OF ____																															
PAGE																																
PROJECT NO.																																

PREPARED BY: _____

LEGEND

1. A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
2. ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED, IF NOT APPLICABLE MARK N/A.
4. DATE: USE MONTH/DAY/YEAR. I.E., 10/30/86
5. TIME: USE 24-HOUR CLOCK. I.E., 1835 FOR 6:35 P.M.
6. PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE ____ OF ____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
7. SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
8. SAMPLE TYPE: USE THE FOLLOWING - SOIL; WATER (SURFACE OR GROUND); AIR (FILTERS, TUBES, AMBIENT, PERSONNEL); SLUDGE; DRUM CONTENTS; OIL; VEGETATION; WIPE; SEDIMENT.
9. COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
10. DEPTH OF SAMPLE: GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE " OR "
11. WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
12. CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS; 4 - 40 ML GLASS VIAL; 1 - 400 ML PLASTIC; 1 - 3 INCH STEEL TUBE; 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G. 1/2 FULL).



PROJECT NAME Sky Harbor ANG

SAMPLE NO. WV-PSI-1

SAMPLE LOCATION PSI

SAMPLE TYPE water

COMPOSITE ☒ YES ☐ NO

COMPOSITE TYPE water

DEPTH OF SAMPLE NA

WEATHER 75°F. Clear

CONTAINERS USED	AMOUNT COLLECTED
<u>2x40ml AG</u>	<u>80ml</u>

COMMENTS: VOC collected at end of well development
pH \approx 6.93
Cond \approx 940
Temp \approx 22.4

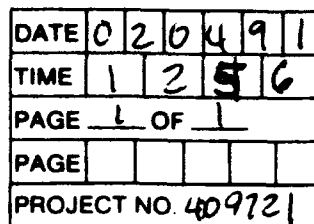
PREPARED BY:

COMMENTS: (Continued)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">DATE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">TIME</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td colspan="4" style="text-align: center;">OF</td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td colspan="5" style="padding: 2px;">PROJECT NO.</td> </tr> </table>	DATE					TIME					PAGE	OF				PAGE					PROJECT NO.				
DATE																											
TIME																											
PAGE	OF																										
PAGE																											
PROJECT NO.																											

PREPARED BY: _____

LEGEND

- 1 A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE
- 2 ALWAYS COMPLETE BOTH SIDES IF SECOND SIDE IS NOT USED. DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
- 3 ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A
- 4 DATE USE MONTH/DAY/YEAR. I.E. 10/30/85
- 5 TIME USE 24-HOUR CLOCK. I.E. 1835 FOR 6 35 P.M.
- 6 PAGE EACH SAMPLE TEAM SHOULD NUMBER PAGE _____ OF _____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E. IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC
- 7 SAMPLE LOCATION USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D. OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY
- 8 SAMPLE TYPE USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT
- 9 COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
- 10 DEPTH OF SAMPLE GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET DON'T USE "OR"
- 11 WEATHER APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS
- 12 CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ. GLASS JAR)
- 13 AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G. 1/2 FULL).



PROJECT NAME Sky Harbor ANG

SAMPLE NO. WV-MW1-02-01

SAMPLE LOCATION MW1-02

SAMPLE TYPE Water

COMPOSITE ☒ YES ☐ NO

COMPOSITE TYPE Water

DEPTH OF SAMPLE NA

WEATHER 70°F, Clear

CONTAINERS USED	AMOUNT COLLECTED
2x40ml AG	80ml

COMMENTS:

VOC collected at end of well development
pH ~ 6.8
Conc $\sim 1070 \mu\text{S}$
Temp $\sim 25^\circ\text{C}$

PREPARED BY:

COMMENTS: (Continued)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">DATE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">TIME</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td colspan="4" style="text-align: center;">____ OF ____</td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">PROJECT NO.</td> <td colspan="4" style="height: 20px;"></td> </tr> </table>	DATE					TIME					PAGE	____ OF ____				PAGE					PROJECT NO.				
DATE																											
TIME																											
PAGE	____ OF ____																										
PAGE																											
PROJECT NO.																											

PREPARED BY: _____

LEGEND

1. A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE
2. ALWAYS COMPLETE BOTH SIDES IF SECOND SIDE IS NOT USED. DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
4. DATE: USE MONTH/DAY/YEAR: I.E., 10/30/85
5. TIME: USE 24-HOUR CLOCK: I.E., 1835 FOR 6:35 P.M.
6. PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE ____ OF ____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
7. SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D. OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
8. SAMPLE TYPE: USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT.
9. COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
10. DEPTH OF SAMPLE: GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE "OR".
11. WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
12. CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL).



DATE	02	04	91
TIME	1	7	00
PAGE	1 OF 1		
PAGE			
PROJECT NO. 409721.02.			

SAMPLE COLLECTION LOG

PROJECT NAME SKY HARBOR AREA
SAMPLE NO. QC-ERB
SAMPLE LOCATION EQUIPMENT RINSEATE AT SBI-02
SAMPLE TYPE WATER
COMPOSITE YES ☒ NO
COMPOSITE TYPE NA
DEPTH OF SAMPLE NA
WEATHER SUNNY, WARM, LIGHT BREEZE

CONTAINERS USED	AMOUNT COLLECTED
<u>See Below.</u>	

COMMENTS:

Equipment Rinseate of CA Standard Area Bases	
Rinse:	
pH = 4.22	
Conductivity = 40 μ mhos	
Temp = 24.2	
BOTTLES	
1 - 100ml Glass w/ HCl	TPH
1 - 100ml Glass	SVOA
2 - 100ml Glass	NOA

PREPARED BY: M.G. Doshier

COMMENTS: (Continued)	<div style="border: 1px solid black; width: 100%; height: 100%; position: relative;"> <!-- Grid representation --> <div style="position: absolute; top: 0; left: 0; width: 100%; height: 100%; border: 1px solid black; background: repeating-linear-gradient(45deg, transparent, transparent 2px, black 2px, black 4px);"></div> <!-- Diagonal line from top-left to bottom-right --> <div style="position: absolute; top: 0; left: 0; width: 100%; height: 100%; border-left: 2px solid black; border-bottom: 2px solid black;"></div> </div>
---------------------------------	---

DATE	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; height: 15px;"></td> <td style="width: 10%; height: 15px;"></td> <td style="width: 10%; height: 15px;"></td> <td style="width: 10%; height: 15px;"></td> <td style="width: 10%; height: 15px;"></td> <td style="width: 10%; height: 15px;"></td> <td style="width: 10%; height: 15px;"></td> <td style="width: 10%; height: 15px;"></td> </tr> </table>								
TIME	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; height: 15px;"></td> <td style="width: 10%; height: 15px;"></td> <td style="width: 10%; height: 15px;"></td> <td style="width: 10%; height: 15px;"></td> <td style="width: 10%; height: 15px;"></td> <td style="width: 10%; height: 15px;"></td> <td style="width: 10%; height: 15px;"></td> <td style="width: 10%; height: 15px;"></td> </tr> </table>								
PAGE	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; height: 15px;"></td> <td style="width: 10%; height: 15px;"></td> <td style="width: 10%; height: 15px;"></td> <td style="width: 10%; height: 15px;"></td> <td style="width: 10%; height: 15px;"></td> <td style="width: 10%; height: 15px;"></td> <td style="width: 10%; height: 15px;"></td> <td style="width: 10%; height: 15px;"></td> </tr> </table>								
PROJECT NO.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%; height: 15px;"></td> <td style="width: 10%; height: 15px;"></td> <td style="width: 10%; height: 15px;"></td> <td style="width: 10%; height: 15px;"></td> <td style="width: 10%; height: 15px;"></td> <td style="width: 10%; height: 15px;"></td> <td style="width: 10%; height: 15px;"></td> <td style="width: 10%; height: 15px;"></td> </tr> </table>								

PREPARED BY: _____

LEGEND

1. A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
2. ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
4. DATE: USE MONTH/DAY/YEAR: I.E., 10/30/85
5. TIME: USE 24-HOUR CLOCK. I.E., 1835 FOR 6:35 P.M.
6. PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE ____ OF ____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
7. SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D. OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
8. SAMPLE TYPE: USE THE FOLLOWING - SOIL; WATER (SURFACE OR GROUND); AIR (FILTERS, TUBES, AMBIENT, PERSONNEL); SLUDGE, DRUM CONTENTS, OIL, VEGETATION; WIPE, SEDIMENT.
9. COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
10. DEPTH OF SAMPLE: GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE "OR"
11. WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
12. CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL).



DATE	02	04	91
TIME	See Below		
PAGE	1 OF 1		
PAGE			
PROJECT NO.	40891-2		

SAMPLE COLLECTION LOG

PROJECT NAME SKY HARBOR AREA
SAMPLE NO. See Below
SAMPLE LOCATION SKY HARBOR BIRCHMOUNT WELLS MWS-01 & MWS-03
SAMPLE TYPE WATER
COMPOSITE YES ☒ NO
COMPOSITE TYPE NA
DEPTH OF SAMPLE NA
WEATHER WARM, CLEAR, SUNNY

CONTAINERS USED	AMOUNT COLLECTED
2x 40-L	
PER WELL	

COMMENTS:

SAMPLES COLLECTED FOR ROUTINE FIELD LAB ANALYSIS FOR
BTEX, PCE, TCA & DCE, FROM MONITOR WELLS MWS-01 &
MWS-03.

Sample #	Well #	Time	Amount Collected	Analyses
WV-MWS-03-	MWS-03	1400	2x 40ml	BTEX, PCE, TCA, DCE
WV-MWS-01-01	MWS-01	1430	2x 40ml	BTEX, PCE, TCA, DCE

PREPARED BY: Mark A. Gashin

COMMENTS: (Continued)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">DATE</td> <td style="width: 20%;"></td> <td style="width: 20%;"></td> <td style="width: 20%;"></td> <td style="width: 20%;"></td> </tr> <tr> <td>TIME</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>PAGE</td> <td colspan="4">OF</td> </tr> <tr> <td>PAGE</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="5">PROJECT NO.</td> </tr> </table>	DATE					TIME					PAGE	OF				PAGE					PROJECT NO.				
DATE																										
TIME																										
PAGE	OF																									
PAGE																										
PROJECT NO.																										

PREPARED BY: _____

LEGEND

- 1 A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
2. ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED. DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
- 4 DATE: USE MONTH/DAY/YEAR. I.E., 10/30/85
- 5 TIME: USE 24-HOUR CLOCK. I.E., 1835 FOR 6:35 P.M.
- 6 PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE _____ OF _____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC
- 7 SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY
- 8 SAMPLE TYPE: USE THE FOLLOWING - SOIL: WATER (SURFACE OR GROUND); AIR (FILTERS, TUBES, AMBIENT, PERSONNEL); SLUDGE, DRUM CONTENTS: OIL; VEGETATION: WIPE; SEDIMENT.
- 9 COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
- 10 DEPTH OF SAMPLE: GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE " OR ".
- 11 WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
12. CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS; 4 - 40 ML GLASS VIAL; 1 - 400 ML PLASTIC; 1 - 3 INCH STEEL TUBE; 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G. 1/2 FULL).



DATE	020491
TIME	1300
PAGE	1 OF 1
PAGE	
PROJECT NO.	409321.02

SAMPLE COLLECTION LOG

PROJECT NAME SKY HORIZON ANK

SAMPLE NO. QC - FBS

SAMPLE LOCATION DECON TRAILER FIELD BLANK

SAMPLE TYPE WATER

COMPOSITE YES ☒ NO

COMPOSITE TYPE

DEPTH OF SAMPLE NA

WEATHER Sunny, warm, clear

CONTAINERS USED	AMOUNT COLLECTED
<u>SEE BELOW</u>	

COMMENTS:

Field Blank of water in Decon Trailer - Run through STEAM CLEANER.

pH = 7.88

Conductivity = 680 μ mhos

Temp = 27.3

Amount

- 1 - 1 liter Glass w/ HCl
- 2 - 1 liter Glass
- 2 - 1 liter Poly w/ HNO₃
- 1 - 500 ml Poly w/ H₂O₂
- 4 - 40 ml glass w/ HCl
- 4 - 40 ml glass w/ HCl
- 2 - 40 ml glass w/ HCl

ANALYSIS

TPH
SVOA & TOPK
Metals
Nitrate/Nitrite
VOA & Vinyl Chloride
Trap Blank for VOA & Vinyl Chloride
BTEX, PCE, DCE, TCA for Field
LAB ANALYSIS

PREPARED BY:

Mark A. Hardin

COMMENTS: (Continued)	
---------------------------------	--

DATE				
TIME				
PAGE	OF			
PAGE				
PROJECT NO.				

PREPARED BY: _____

LEGEND

- 1 A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
- 2 ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
- 4 DATE USE MONTH/DAY/YEAR. I.E., 10/30/85
- 5 TIME USE 24-HOUR CLOCK. I.E., 1835 FOR 6:35 P.M.
- 6 PAGE EACH SAMPLE TEAM SHOULD NUMBER PAGE _____ OF _____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
- 7 SAMPLE LOCATION USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY
- 8 SAMPLE TYPE USE THE FOLLOWING - SOIL; WATER (SURFACE OR GROUND); AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE; DRUM CONTENTS OIL, VEGETATION, WIPE SEDIMENT
- 9 COMPOSITE TYPE. I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
- 10 DEPTH OF SAMPLE GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE ' OR "
- 11 WEATHER APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
- 12 CONTAINERS USED LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL; 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE; 1 - 8 OZ. GLASS JAR).
- 13 AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G. 1/2 FULL).



DATE	02	04	91
TIME	See Below		
PAGE	1 OF 1		
PAGE			
PROJECT NO.	40721.02.00		

SAMPLE COLLECTION LOG

PROJECT NAME Sky Harbor ANG

SAMPLE NO. See Below

SAMPLE LOCATION Soil Boring SB1-02

SAMPLE TYPE Soil

COMPOSITE YES ☒ NO

COMPOSITE TYPE -

DEPTH OF SAMPLE See Below

WEATHER -

CONTAINERS USED	AMOUNT COLLECTED
6" BRASS SLEEVE	See Below
w/ TEFLOW-LINED	
CAPS	

COMMENTS:	Sample #	Time	Barometer	Humidity	Pressure	Comments
SB1-02-	0-2-01, 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	0800	NA	NA	NA	TRW Boring

PREPARED BY: Mark A. Paulson

COMMENTS:
(Continued)

DATE					
TIME					
PAGE	_____ OF _____				
PAGE					
PROJECT NO.					

PREPARED BY: _____

LEGEND

- 1 A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE
- 2 ALWAYS COMPLETE BOTH SIDES IF SECOND SIDE IS NOT USED. DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY
- 3 ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
- 4 DATE: USE MONTH/DAY/YEAR. I.E., 10/30/85
- 5 TIME: USE 24-HOUR CLOCK. I.E., 1835 FOR 6:35 P.M.
- 6 PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE _____ OF _____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
- 7 SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
- 8 SAMPLE TYPE: USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT
- 9 COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
- 10 DEPTH OF SAMPLE: GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE " OR '.
- 11 WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS
- 12 CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS; 4 - 40 ML GLASS VIAL; 1 - 400 ML PLASTIC; 1 - 3 INCH STEEL TUBE; 1 - 8 OZ. GLASS JAR)
- 13 AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL).



DATE	0	2	0	5	A	1
TIME	0	9	2	8		
PAGE	1	OF	1			
PAGE						
PROJECT NO.	409701					

SAMPLE COLLECTION LOG

PROJECT NAME	Sky Harbor ANG
SAMPLE NO.	WV-MW3-01-02
SAMPLE LOCATION	MW301
SAMPLE TYPE	water
COMPOSITE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
COMPOSITE TYPE	water
DEPTH OF SAMPLE	NA
WEATHER	Clear 70°F
CONTAINERS USED	2 x 40ml AG
AMOUNT COLLECTED	30ml

COMMENTS:
Volatiles collected after well development
pH = 6.65
Cond = 1070 μ S
Temp = 21.7°C

PREPARED BY: *Charles Conway*

COMMENTS: (Continued)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">DATE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">TIME</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td colspan="5" style="text-align: center;">OF</td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td colspan="6" style="padding: 2px;">PROJECT NO.</td> </tr> </table>	DATE						TIME						PAGE	OF					PAGE						PROJECT NO.					
DATE																																
TIME																																
PAGE	OF																															
PAGE																																
PROJECT NO.																																

PREPARED BY: _____

LEGEND

1. A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
2. ALWAYS COMPLETE BOTH SIDES IF SECOND SIDE IS NOT USED. DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
4. DATE: USE MONTH/DAY/YEAR: I.E., 10/30/85
5. TIME: USE 24-HOUR CLOCK: I.E., 1835 FOR 6 35 P.M.
6. PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE _____ OF _____ FOR THE DAYS ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
7. SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D. OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
8. SAMPLE TYPE: USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT.
9. COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
10. DEPTH OF SAMPLE: GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE "OR"
11. WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
12. CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL).



DATE	080591
TIME	See Below
PAGE	1 OF 1
PAGE	
PROJECT NO.	408721.07.

SAMPLE COLLECTION LOG

PROJECT NAME SKY Harbor ANJ6

SAMPLE NO. See Below

SAMPLE LOCATION SITE 1, Soil Boring SB1-02

SAMPLE TYPE Soil

COMPOSITE YES ☒ NO

COMPOSITE TYPE NA

DEPTH OF SAMPLE See Below

WEATHER Sunny, Warm, Slight Breeze

CONTAINERS USED	AMOUNT COLLECTED
<u>6-inch BARS</u>	<u>See Below</u>
<u>SLEEVES w/ TERANI</u>	
<u>LINED CANS</u>	

H.L. = HOME LAB; F.L. = FIELD LAB

COMMENTS: Sample #	Time	Bore Core	Moisture	Remainder	Comments
SB1-02-5-7-01	1010	9, 12, 41	NA	10, 0, 0	H.L.
SB1-02-15-27-01	1028	50	35 ppm	10, 0, 0	FL: Guadalupe Soil Moisture
SB1-02-25-27-02	1055	17, 15, 70	0	10, 0, 0	H.L., FL.
SB1-02-35-37	1115				
SB1-02-50-52-01	1145	50	0	20, 0, 0	FL.
SB1-02-TB2	0800 ^{na} 0900	NA	NA	NA	TR? Bore

PREPARED BY: Mark A. Harding



DATE	02	05	91
TIME	See Below		
PAGE	1 OF 1		
PAGE			
PROJECT NO.	40721.02 26		

SAMPLE COLLECTION LOG

PROJECT NAME See Hanson A-16
SAMPLE NO. See Below
SAMPLE LOCATION See Hanson Background Wall MWS-02
SAMPLE TYPE Soil
COMPOSITE YES ☒ NO
COMPOSITE TYPE NA
DEPTH OF SAMPLE See Below
WEATHER Sunny, warm, Breezy

CONTAINERS USED	AMOUNT COLLECTED
6-inch Brass Screens	See Below
1/2-inch lined bags	

COMMENTS:	Sample #	Time	Probe Count	Moisture	Relative Humidity	Comments
	MBS-02-45-47-01	1430	50	0	20.0	F.L.
	MBS-02-50-52-01	1440	50	0	20.0	F.L.

PREPARED BY:

Mark A. Fisher

COMMENTS:
(Continued)

DATE

TIME

PAGE ____ OF ____

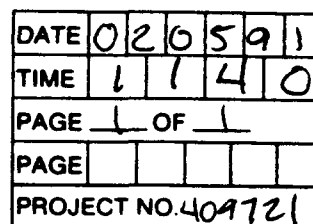
PAGE

PROJECT NO.

PREPARED BY: _____

LEGEND

1. A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
2. ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED, IF NOT APPLICABLE MARK N/A.
4. DATE: USE MONTH/DAY/YEAR: I.E., 10/30/85
5. TIME: USE 24-HOUR CLOCK: I.E., 1835 FOR 6:35 P.M.
6. PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE ____ OF ____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY, I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
7. SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
8. SAMPLE TYPE: USE THE FOLLOWING - SOIL; WATER (SURFACE OR GROUND); AIR (FILTERS, TUBES, AMBIENT, PERSONNEL); SLUDGE; DRUM CONTENTS; OIL; VEGETATION; WIPE; SEDIMENT
9. COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
10. DEPTH OF SAMPLE: GIVE UNITS, WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE ' OR ".
11. WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
12. CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS; 4 - 40 ML GLASS VIAL; 1 - 400 ML PLASTIC; 1 - 3 INCH STEEL TUBE; 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G. 1/2 FULL).



PROJECT NAME Sky Harbor ANG

SAMPLE NO. WV-MWS-03-01

SAMPLE LOCATION MWS-03

SAMPLE TYPE water

COMPOSITE ☒ YES ☐ NO

COMPOSITE TYPE water

DEPTH OF SAMPLE NA

WEATHER Clear & 70°F

CONTAINERS USED	AMOUNT COLLECTED
<u>2x40ml AG</u>	<u>80ml</u>

COMMENTS:

Volatiles collected after well development

$$pH = 7.15$$
$$C_{\text{cond}} = 1230 \mu\text{S}$$
$$T_{\text{amp}} = 21.7^\circ\text{C}$$

PREPARED BY:

PREPARED BY: Clayton Curney

COMMENTS: (Continued)	
---------------------------------	--

DATE	
TIME	
PAGE	OF
PAGE	
PROJECT NO.	

PREPARED BY: _____

LEGEND

- 1 A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
- 2 ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY
- 3 ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
- 4 DATE: USE MONTH/DAY/YEAR. I.E., 10/30/85
- 5 TIME: USE 24-HOUR CLOCK. I.E., 1835 FOR 6:35 P.M.
- 6 PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE _____ OF _____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
- 7 SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY
- 8 SAMPLE TYPE: USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND); AIR (FILTERS, TUBES, AMBIENT, PERSONNEL); SLUDGE; DRUM CONTENTS; OIL; VEGETATION; WIPE; SEDIMENT
- 9 COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
- 10 DEPTH OF SAMPLE: GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE ' OR ".
- 11 WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
- 12 CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS; 4 - 40 ML GLASS VIAL; 1 - 400 ML PLASTIC; 1 - 3 INCH STEEL TUBE; 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G. 1/2 FULL).



DATE	0	2	0	5	9	1
TIME	1	4	3	8		
PAGE	1			OF	1	
PAGE						
PROJECT NO.	4	0	9	7	2	1

PROJECT NAME Sky Harbor ANG

SAMPLE NO. WV-~~SHR~~-2-D2

SAMPLE LOCATION SHR-2

SAMPLE TYPE water

COMPOSITE ☒ YES ☐ NO

COMPOSITE TYPE water

DEPTH OF SAMPLE N/A

WEATHER Clear & 75°F

CONTAINERS USED	AMOUNT COLLECTED
2x40ml AG	80ml

COMMENTS:

0.1 liter sample collected after well development

pH = 7.17

Cond = 1170 μ S

Temp = 21.8°C

PREPARED BY:

COMMENTS:
(Continued)

DATE

TIME

PAGE ____ OF ____

PAGE

PROJECT NO.

PREPARED BY: _____

LEGEND

- 1 A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE
- 2 ALWAYS COMPLETE BOTH SIDES IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
- 3 ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A
- 4 DATE: USE MONTH/DAY/YEAR. I.E., 10/30/85
- 5 TIME: USE 24-HOUR CLOCK. I.E., 1835 FOR 6 35 P M
- 6 PAGE EACH SAMPLE TEAM SHOULD NUMBER PAGE ____ OF ____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC
- 7 SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY
- 8 SAMPLE TYPE: USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT
- 9 COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
- 10 DEPTH OF SAMPLE: GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE ' OR "
- 11 WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS
- 12 CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS; 4 - 40 ML GLASS VIAL; 1 - 400 ML PLASTIC; 1 - 3 INCH STEEL TUBE; 1 - 8 OZ. GLASS JAR)
- 13 AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G. 1/2 FULL)



DATE	0	2	0	5	9	1
TIME	1	5	4	5		
PAGE	1 OF 1					
PAGE						
PROJECT NO. 409721						

SAMPLE COLLECTION LOG

PROJECT NAME Sky Harbor ANG

SAMPLE NO. QC - ERB⁹

SAMPLE LOCATION MWS - 02

SAMPLE TYPE Water

COMPOSITE YES ☒ NO

COMPOSITE TYPE —

DEPTH OF SAMPLE NA

WEATHER 78°F Clouds thin

CONTAINERS USED	AMOUNT COLLECTED
<u>See below</u>	

COMMENTS:

Equipment Rinsate of CA sampler	
at well MWS - 02	
pH - 5.38 ³¹	
Cond - 30 μ mhos	
Temp - 29.7 °C	
1 - 1 liter glass amber w/ HCl	
2 - liters glass amber	
2 - liters poly w/ HNO ₃	
1 - 500ml poly w/ H ₂ SO ₄	
2 - 40ml glass w/ HCl	

PREPARED BY:

J. Tybirk

COMMENTS:
(Continued)

DATE

TIME

PAGE ____ OF ____

PAGE

PROJECT NO.

PREPARED BY: _____

LEGEND

1. A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
2. ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
4. DATE: USE MONTH/DAY/YEAR: I.E., 10/30/85
5. TIME: USE 24-HOUR CLOCK: I.E., 1835 FOR 6:35 P.M.
6. PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE ____ OF ____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY, I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
7. SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
8. SAMPLE TYPE: USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT.
9. COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
10. DEPTH OF SAMPLE: GIVE UNITS, WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE ' OR "
11. WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
12. CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL).



DATE	020691
TIME	See Below
PAGE	1 OF 1
PAGE	
PROJECT NO.	409921.02

SAMPLE COLLECTION LOG

PROJECT NAME SKY HARBOR ANA

SAMPLE NO. SEE BELOW

SAMPLE LOCATION SITE 2, 50 Meters W. W. ALJ2-02

SAMPLE TYPE SOIL

COMPOSITE YES ☒ NO

COMPOSITE TYPE NA

DEPTH OF SAMPLE SEE BELOW

WEATHER Sunny, Warm, Breezy

CONTAINERS USED	AMOUNT COLLECTED
6-inch Bore Sigsbee	See Below
W/ Tension - 6.000	
Caps	

COMMENTS: Sample #	Time	Bar Count	HAU Reading	Recovery	Comments
MB2-02-002-01, 02, 03, 04	1100	NA	0	90, 90, 35, 50	HL=3, FL=1
MB2-02-5-7-01, 02, 03	1110	6, 13, 14	0	100, 25, 100	HL=7, FL=1
MB2-02-10-12-01	1150	16, 26, 50	0	20, 0, 0	FL=1
MB2-02-30-32-01, 02	1210	30, 25, 50	0	60, 30, 0	HL=1, FL=1
MB2-02-45-47-01	1300	50	0	10, 0, 0	FL=1
MB2-02-50-52-01	1310	50	0	10, 0, 0	FL=1
MB2-02-65-67-01	1350	50	0	10, 0, 0	FL=1
MB2-02-70-72-01, 02, 03	1400	17, 30, 50	0	100, 50, 20	HL=2, FL=1
MB2-02-TB	0800	NA	NA	NA	Top of Bank

PREPARED BY: M. G. Fashina

COMMENTS: (Continued)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">DATE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">TIME</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td colspan="4" style="text-align: center;">____ OF ____</td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td colspan="5" style="padding: 2px;">PROJECT NO.</td> </tr> </table>	DATE					TIME					PAGE	____ OF ____				PAGE					PROJECT NO.				
DATE																											
TIME																											
PAGE	____ OF ____																										
PAGE																											
PROJECT NO.																											

PREPARED BY: _____

LEGEND

1. A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
2. ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
4. DATE: USE MONTH/DAY/YEAR: I.E., 10/30/85
5. TIME: USE 24-HOUR CLOCK: I.E., 1835 FOR 6:35 P.M.
6. PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE ____ OF ____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
7. SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
8. SAMPLE TYPE: USE THE FOLLOWING - SOIL: WATER (SURFACE OR GROUND); AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION; WIPE, SEDIMENT.
9. COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
10. DEPTH OF SAMPLE: GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE "OR"
11. WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
12. CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL).



DATE	0	2	0	6	9	1
TIME	1	4	3	0		
PAGE	1 OF 1					
PAGE						
PROJECT NO. 409721						

SAMPLE COLLECTION LOG

PROJECT NAME Sky Harbor ANG
SAMPLE NO. QC - ER10
SAMPLE LOCATION Equip. Rinse from MW2-02
SAMPLE TYPE Water CONTAINERS USED See Below AMOUNT COLLECTED
COMPOSITE YES ☒ NO
COMPOSITE TYPE NA
DEPTH OF SAMPLE NA
WEATHER 78°F, warm, clear, Sph E wind

COMMENTS:
Equipment Rinse taken from
CA sampler at MW2-02
pH - 7.05
Cond - 80 uenhas
Temp - 26.1 °C
1-liter glass w/ HCl
1-liter glass
2-liters poly w/ HNO ₃
2-40ml glass w/ HCl

PREPARED BY: J. Tyndal

COMMENTS: (Continued)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">DATE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">TIME</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">PAGE ____ OF ____</td> <td colspan="5"></td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td colspan="6" style="padding: 2px;">PROJECT NO.</td> </tr> </table>	DATE						TIME						PAGE ____ OF ____						PAGE						PROJECT NO.					
DATE																																
TIME																																
PAGE ____ OF ____																																
PAGE																																
PROJECT NO.																																

PREPARED BY: _____

LEGEND

1. A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
2. ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED, IF NOT APPLICABLE MARK N/A.
4. DATE: USE MONTH/DAY/YEAR: I.E., 10/30/85
5. TIME: USE 24-HOUR CLOCK: I.E., 1835 FOR 6:35 P.M.
6. PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE ____ OF ____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY, I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC
7. SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
8. SAMPLE TYPE: USE THE FOLLOWING - SOIL: WATER (SURFACE OR GROUND); AIR (FILTERS, TUBES, AMBIENT, PERSONNEL); SLUDGE, DRUM CONTENTS: OIL; VEGETATION: WIPE, SEDIMENT.
9. COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
10. DEPTH OF SAMPLE: GIVE UNITS, WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE " OR '.
11. WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
12. CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS; 4 - 40 ML GLASS VIAL; 1 - 400 ML PLASTIC; 1 - 3 INCH STEEL TUBE; 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G. 1/2 FULL).



DATE	0	2	0	7	9	1
TIME	See Below					
PAGE	1		OF		3	
PAGE						
PROJECT NO. 445721.07. 04						

PROJECT NAME SKI HARBOUR ANH
 SAMPLE NO. See Below
 SAMPLE LOCATION SITE 5, Monrovia Wren MW5-01
 SAMPLE TYPE Soils
 COMPOSITE YES ☒ NO
 COMPOSITE TYPE NA
 DEPTH OF SAMPLE See Below
 WEATHER Partly Cloudy, Breezy, Cool

CONTAINERS USED	AMOUNT COLLECTED
6-mm Brass Sieve	See Below
W/TERMS - lined	
CAPS	

COMMENTS:	Source #	Time	Bus/Cable	Hours/Remain	Recharge	Comments
MBS-01-02-01,02,03,04		0840	6,9,8	0	90,90,50	FL=3, FL=1
MBS-01-5-7-01,02,03		0845	8,9,10	0	100,90,50	HL=2, FL=1
MBS-01-20-22-01		0915	50	0	10,0,0	FL=1
MBS-01-25-27-01		0925	50	0	10,0,0	FL=1
MBS-01-45-47-01		1005	50	0	10,0,0	FL=1
MBS-01-55-57-01		1025	50	0	20,0,0	FL=1
MBS-01-60-62-01,02		1035	20,30,18	0	90,50,0	HL=1, FL=1
MBS-01-70-72-01		1100	50	NA	90,0,0	FL=1 FL=0
MBS-01-75-77-01		1110	20,50	0	50,0,0	FL=1
MBS-01-TB		0730	NA	NA	NA	TAP BANGKOK

← LAST LINE →

PREPARED BY: M.A. Bushin 2/24/21

COMMENTS: (Continued)	
---------------------------------	--

DATE					
TIME					
PAGE		OF			
PAGE					
PROJECT NO.					

PREPARED BY: _____

LEGEND

- 1 A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
- 2 ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED, IF NOT APPLICABLE MARK N/A.
- 4 DATE: USE MONTH/DAY/YEAR. I.E., 10/30/85
- 5 TIME USE 24-HOUR CLOCK. I.E., 1835 FOR 6:35 P.M.
- 6 PAGE EACH SAMPLE TEAM SHOULD NUMBER PAGE _____ OF _____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
- 7 SAMPLE LOCATION USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
- 8 SAMPLE TYPE USE THE FOLLOWING - SOIL; WATER (SURFACE OR GROUND); AIR (FILTERS, TUBES, AMBIENT, PERSONNEL); SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT.
- 9 COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
- 10 DEPTH OF SAMPLE GIVE UNITS, WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE " OR ".
- 11 WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
- 12 CONTAINERS USED LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G. 1/2 FULL).



DATE	0	2	0	7	9	1
TIME	1	1	0	0		
PAGE	1 OF 1					
PAGE						
PROJECT NO.	40970					

SAMPLE COLLECTION LOG

PROJECT NAME Sky Harbor ANG
SAMPLE NO. QC-ER11
SAMPLE LOCATION Equipment Rinse at MWS-01
SAMPLE TYPE Water
COMPOSITE YES ☒ NO
COMPOSITE TYPE NA
DEPTH OF SAMPLE NA
WEATHER 60°F Cloudy partly Smp E breeze

CONTAINERS USED	AMOUNT COLLECTED
<u>See Below</u>	

COMMENTS:
<u>Equipment Rinse of CA Sampler</u>
<u>at well MWS-01</u>
<u>pH = 4.16</u>
<u>Cond = 10 umhos</u>
<u>Temp = 23.1 °C</u>
<u>1-liter glass w/ HCl</u>
<u>2-liters glass</u>
<u>2-liters poly w/ HNO₃</u>
<u>1-500-ml poly w/ H₂SO₄</u>
<u>2-40-ml glass</u>

PREPARED BY: J. Tybirk

COMMENTS:
(Continued)

DATE

TIME

PAGE ____ OF ____

PAGE

PROJECT NO.

PREPARED BY: _____

LEGEND

1. A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
2. ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED, IF NOT APPLICABLE MARK N/A.
4. DATE: USE MONTH/DAY/YEAR: I.E., 10/30/85
5. TIME: USE 24-HOUR CLOCK: I.E., 1835 FOR 6:35 P.M.
6. PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE ____ OF ____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY, I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
7. SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
8. SAMPLE TYPE: USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT
9. COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
10. DEPTH OF SAMPLE: GIVE UNITS, WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE "OR"
11. WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS
12. CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL)



DATE	020291
TIME	See Below
PAGE	1 OF 1
PAGE	
PROJECT NO.	40721-06

SAMPLE COLLECTION LOG

PROJECT NAME SR: Harbor ANG
SAMPLE NO. See Below
SAMPLE LOCATION SITE 4, Monitor Wells MW-01 & MW-02
SAMPLE TYPE WATER
COMPOSITE YES ☒ NO
COMPOSITE TYPE NA
DEPTH OF SAMPLE NA
WEATHER Sunny, warm, Slight Breeze

CONTAINERS USED	AMOUNT COLLECTED
<u>2 x 40 mL</u>	<u>80 mL</u>
<u>Grass</u>	

COMMENTS:			
Sample #	Time	Amount	Comments
MW-MW-01-01	1015	2 x 40 mL	FOR FIELD LAB SCREENING
MW-MW-02-01	1040	2 x 40 mL	FOR FIELD LAB SCREENING
LAST LINE			

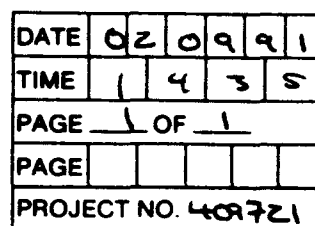
PREPARED BY: M. G. Anderson

COMMENTS: (Continued)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">DATE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">TIME</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td colspan="5" style="padding: 2px;">PROJECT NO.</td> </tr> </table>	DATE					TIME					PAGE					PAGE					PROJECT NO.				
DATE																											
TIME																											
PAGE																											
PAGE																											
PROJECT NO.																											

PREPARED BY: _____

LEGEND

1. A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE
2. ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
4. DATE: USE MONTH/DAY/YEAR. I.E., 10/30/85
5. TIME: USE 24-HOUR CLOCK. I.E., 1835 FOR 6:35 P.M.
6. PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE _____ OF _____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
7. SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
8. SAMPLE TYPE: USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT.
9. COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
10. DEPTH OF SAMPLE: GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE "OR"
11. WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
12. CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL).



PROJECT NAME Sky Harbor ANG

SAMPLE NO. WV - MWS - 01 - 01

SAMPLE LOCATION MWS - 01

SAMPLE TYPE Water

COMPOSITE YES ☒ NO

COMPOSITE TYPE NA

DEPTH OF SAMPLE NA

WEATHER High clouds, warm, O-Smph breeze

CONTAINERS USED	AMOUNT COLLECTED
<u>40ml A/G</u>	<u>80 ml</u>

COMMENTS:

pH = 7.20
Cond = 1070 μmho
Temp = 23.9 $^{\circ}\text{C}$

PREPARED BY: J. T. [Signature]

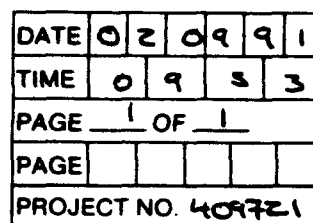
COMMENTS: (Continued)	<div style="border: 1px solid black; width: 100%; height: 100%; position: relative;"> <!-- Grid representation --> <div style="position: absolute; top: 0; left: 0; width: 100%; height: 100%; background-image: linear-gradient(to right, transparent 49%, black 49%, black 51%, transparent 51%), linear-gradient(to bottom, transparent 49%, black 49%, black 51%, transparent 51%); background-size: 50% 50%;"></div> <!-- Diagonal line from top-left to bottom-right --> <div style="position: absolute; top: 0; left: 0; width: 100%; height: 100%; border-left: 1px solid black; border-bottom: 1px solid black; transform: rotate(45deg);"></div> </div>
---------------------------------	---

DATE					
TIME					
PAGE	____ OF ____				
PAGE					
PROJECT NO.					

PREPARED BY: _____

LEGEND

1. A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
2. ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED, IF NOT APPLICABLE MARK N/A.
4. DATE: USE MONTH/DAY/YEAR: I.E., 10/30/85
5. TIME: USE 24-HOUR CLOCK: I.E., 1835 FOR 6:35 P.M.
6. PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE ____ OF ____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY, I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC
7. SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY
8. SAMPLE TYPE: USE THE FOLLOWING - SOIL; WATER (SURFACE OR GROUND); AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL; VEGETATION; WIPE; SEDIMENT.
9. COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
10. DEPTH OF SAMPLE: GIVE UNITS, WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE ' OR "
11. WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
12. CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS; 4 - 40 ML GLASS VIAL; 1 - 400 ML PLASTIC; 1 - 3 INCH STEEL TUBE; 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL).



COMMENTS:

2-40-1 bottles for VOA's

PH - 6.98

Cl: 1130 numbers

Temp = 22,1 °C

PREPARED BY: J. J. G. L.

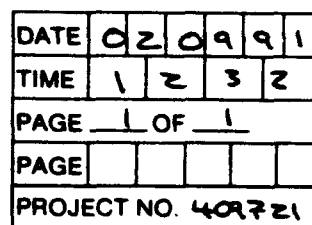
COMMENTS: (Continued)	
---------------------------------	--

DATE	
TIME	
PAGE	OF
PAGE	
PROJECT NO.	

PREPARED BY: _____

LEGEND

1. A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
2. ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
4. DATE: USE MONTH/DAY/YEAR: I.E., 10/30/85
5. TIME: USE 24-HOUR CLOCK: I.E., 1835 FOR 6:35 P.M.
6. PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE _____ OF _____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
7. SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
8. SAMPLE TYPE: USE THE FOLLOWING - SOIL; WATER (SURFACE OR GROUND); AIR (FILTERS, TUBES, AMBIENT, PERSONNEL); SLUDGE; DRUM CONTENTS; OIL; VEGETATION; WIPE; SEDIMENT.
9. COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
10. DEPTH OF SAMPLE: GIVE UNITS, WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE "OR".
11. WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
12. CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS; 4 - 40 ML GLASS VIAL; 1 - 400 ML PLASTIC; 1 - 3 INCH STEEL TUBE; 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G. 1/2 FULL).



PROJECT NAME Sky Harbor ANG

SAMPLE NO. WV-MWS-02-01

SAMPLE LOCATION MWS-02

SAMPLE TYPE Water

COMPOSITE YES ☒ NO

COMPOSITE TYPE NA

DEPTH OF SAMPLE NA

WEATHER High Clouds, 10 mph gusts from east

CONTAINERS USED	AMOUNT COLLECTED
40-1 A/G	80mls.

COMMENTS:

pH = 7.20
Co-A = 1120 $\mu\text{m/L}$
Temp = 23.5°C

PREPARED BY: J. Lynch

COMMENTS: (Continued)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">DATE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">TIME</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">PAGE ____ OF ____</td> <td colspan="5"></td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">PROJECT NO.</td> <td colspan="5"></td> </tr> </table>	DATE						TIME						PAGE ____ OF ____						PAGE						PROJECT NO.					
DATE																																
TIME																																
PAGE ____ OF ____																																
PAGE																																
PROJECT NO.																																

PREPARED BY: _____

LEGEND

1. A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
2. ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
4. DATE: USE MONTH/DAY/YEAR: I.E., 10/30/85
5. TIME: USE 24-HOUR CLOCK: I.E., 1835 FOR 6:35 P.M.
6. PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE ____ OF ____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
7. SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
8. SAMPLE TYPE: USE THE FOLLOWING - SOIL; WATER (SURFACE OR GROUND); AIR (FILTERS, TUBES, AMBIENT, PERSONNEL); SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT
9. COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
10. DEPTH OF SAMPLE: GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE ' OR ''.
11. WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
12. CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS; 4 - 40 ML GLASS VIAL; 1 - 400 ML PLASTIC; 1 - 3 INCH STEEL TUBE; 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL).



DATE	02	11	91
TIME	See Below		
PAGE	1 of 1		
PAGE			
PROJECT NO.	401221 02.00		

SAMPLE COLLECTION LOG

PROJECT NAME Sgt. Harold A. 16
SAMPLE NO. See Below
SAMPLE LOCATION SITE 4, Marine Wells MW4-01 & MW4-02
SAMPLE TYPE Water
COMPOSITE YES ☒ NO
COMPOSITE TYPE NA
DEPTH OF SAMPLE NA
WEATHER Partly Cloudy, Warm, Breezy

CONTAINERS USED	AMOUNT COLLECTED
<u>2 x 40ml</u>	<u>80ml / well</u>
<u>Clear Glass for</u>	
<u>each well</u>	

COMMENTS:						
Sample #	Time	Amount	PH	Conductivity	Temp	
WV-MW4-02-02	1600	2 x 40ml	7.43	950	24.3°C	
WV-MW4-01-02	NA	NA	NA	NA	NA	
No Sample Available - Well Dry						
LAST LINE						

PREPARED BY:

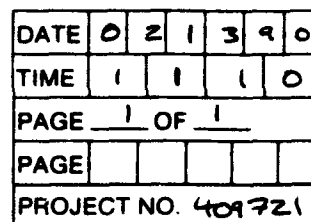
M. G. Perkins

COMMENTS: (Continued)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">DATE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">TIME</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td colspan="5" style="padding: 2px;">PROJECT NO.</td> </tr> </table>	DATE					TIME					PAGE					PAGE					PROJECT NO.				
DATE																											
TIME																											
PAGE																											
PAGE																											
PROJECT NO.																											

PREPARED BY: _____

LEGEND

1. A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE
2. ALWAYS COMPLETE BOTH SIDES IF SECOND SIDE IS NOT USED. DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A
4. DATE: USE MONTH/DAY/YEAR. I.E., 10/30/85
5. TIME: USE 24-HOUR CLOCK. I.E., 1835 FOR 6 35 P.M.
6. PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE _____ OF _____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
7. SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
8. SAMPLE TYPE: USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT.
9. COMPOSITE TYPE: I.E., 24-HOUR. LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
10. DEPTH OF SAMPLE: GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE "OR"
11. WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS
12. CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ. GLASS JAR)
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL).



PREPARED BY: J. T. G. L.

COMMENTS: (Continued)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">DATE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">TIME</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td colspan="5" style="text-align: center;">____ OF ____</td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">PROJECT NO.</td> <td colspan="5" style="height: 20px;"></td> </tr> </table>	DATE						TIME						PAGE	____ OF ____					PAGE						PROJECT NO.					
DATE																																
TIME																																
PAGE	____ OF ____																															
PAGE																																
PROJECT NO.																																

PREPARED BY: _____

LEGEND

- 1 A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
- 2 ALWAYS COMPLETE BOTH SIDES IF SECOND SIDE IS NOT USED. DRAW A LINE THROUGH IT AND MARK N/A FILL IN CONTROL BLOCK AND PREPARED BY.
- 3 ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A
- 4 DATE: USE MONTH/DAY/YEAR. I.E., 10/30/85
- 5 TIME: USE 24-HOUR CLOCK. I.E., 1835 FOR 6:35 P.M.
- 6 PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE ____ OF ____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
- 7 SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
- 8 SAMPLE TYPE: USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT.
- 9 COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
- 10 DEPTH OF SAMPLE: GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE "OR"
11. WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS
12. CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL).



DATE	0	2	1	3	9	1
TIME	See Below					
PAGE	1		OF		2	
PAGE						
PROJECT NO.	404 721.02 06					

SAMPLE COLLECTION LOG

PROJECT NAME SKY HORIZON AVE

SAMPLE NO. See Below

SAMPLE LOCATION SITE 4

SAMPLE TYPE SOIL

COMPOSITE ☒ YES ☐ NO

COMPOSITE TYPE MIXED SOILS

DEPTH OF SAMPLE NA

WEATHER SUNNY, COOL, SLIGHT WIND

CONTAINERS USED	AMOUNT COLLECTED
<u>500ml & 40ml</u>	<u>See Below</u>
<u>GLASS JARS</u>	

COMMENTS:	<u>SAMPLE #</u>	<u>TIME</u>	<u>AMT COLLECTED</u>	<u>CONCENTRATIONS</u>
	SS4-01	0905	1080ml	HN ₂ 0 ppm
	SS4-02	0925	1080ml	HN ₂ 0 ppm
	SS4-03	0945	1080ml	HN ₂ 0 ppm
	SS4-04	1005	1080ml	HN ₂ 0 ppm Sample taken below 1/4" asphalt
	SS4-05	1030	1080ml	HN ₂ 0 ppm
	SS4-06	1045	1080ml	Background sample 25 ft due East of PP-01
See attachment 2 of 2 for locations				

PREPARED BY: J. Tyler

COMMENTS: (Continued)	
---------------------------------	--

DATE	
TIME	
PAGE ____ OF ____	
PAGE	
PROJECT NO.	

PREPARED BY: _____

LEGEND

1. A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
2. ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
4. DATE: USE MONTH/DAY/YEAR. I.E., 10/30/85
5. TIME: USE 24-HOUR CLOCK. I.E., 1835 FOR 6:35 P.M.
6. PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE ____ OF ____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
7. SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
8. SAMPLE TYPE: USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT.
9. COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
10. DEPTH OF SAMPLE: GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE " OR "
11. WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
12. CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL).



Attachment

2 of 2

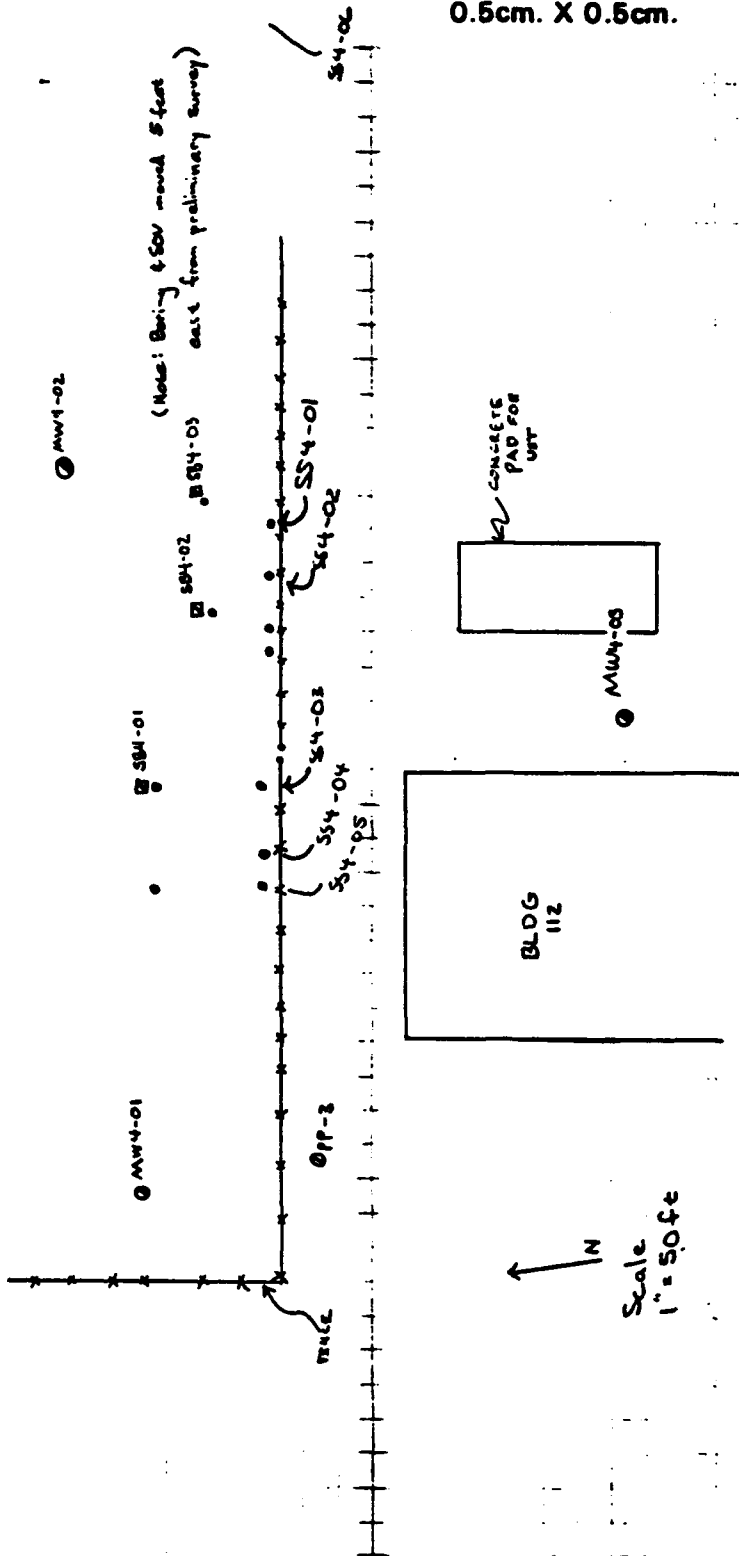


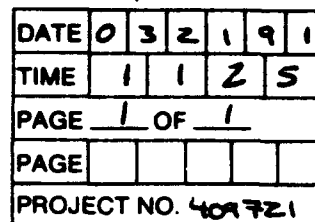
By JRT Date 12/12/90 Subject Site 4 Sketch Sheet No. 4 of 4
 Chkd. By — Date — Papago Military Reservation Proj. No. 409721

0.5cm. X 0.5cm.

Note: Piezometers PP-1 & PP-2
 are several hundred feet east
 & south of the site, respectively.

- SOV
- Monitor Well
- Piezometer
- Soil Boring





PROJECT NAME Sky Harbor ANG

SAMPLE NO. QC-ER13

SAMPLE LOCATION POL Area well MWS-04

SAMPLE TYPE Water

COMPOSITE YES ☒ NO

COMPOSITE TYPE NA

DEPTH OF SAMPLE NA

WEATHER 55°F Partly Cloudy slight west breeze

CONTAINERS USED	AMOUNT COLLECTED
<u>See below</u>	

COMMENTS: CA Sampler equipment rinsate
pH = 4.91
Cond = 30 μ mhos
Temp = 20.1 $^{\circ}$ C

1-liter glass - w/ HCl
2-liter glass - w/o preservative
2-40ml glass - w/ HCl

PREPARED BY: J. Tyland.

COMMENTS: (Continued)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">DATE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">TIME</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td colspan="5" style="text-align: center;">____ OF ____</td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">PROJECT NO.</td> <td colspan="5" style="height: 20px;"></td> </tr> </table>	DATE						TIME						PAGE	____ OF ____					PAGE						PROJECT NO.					
DATE																																
TIME																																
PAGE	____ OF ____																															
PAGE																																
PROJECT NO.																																

PREPARED BY: _____

LEGEND

- 1 A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
- 2 ALWAYS COMPLETE BOTH SIDES IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY
- 3 ALL ENTRIES ON LOG ARE TO BE COMPLETED, IF NOT APPLICABLE MARK N/A.
- 4 DATE USE MONTH/DAY/YEAR, I.E., 10/30/85
- 5 TIME USE 24-HOUR CLOCK, I.E., 1835 FOR 6:35 P.M.
- 6 PAGE EACH SAMPLE TEAM SHOULD NUMBER PAGE _____ OF _____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY, I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC
- 7 SAMPLE LOCATION USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
- 8 SAMPLE TYPE USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND); AIR (FILTERS, TUBES, AMBIENT, PERSONNEL); SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT
- 9 COMPOSITE TYPE I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
- 10 DEPTH OF SAMPLE GIVE UNITS, WRITE OUT UNITS SUCH AS INCHES, FEET, DON'T USE " OR '.
- 11 WEATHER APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
- 12 CONTAINERS USED LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS; 4 - 40 ML GLASS VIAL; 1 - 400 ML PLASTIC; 1 - 3 INCH STEEL TUBE; 1 - 8 OZ. GLASS JAR).
- 13 AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL).



DATE	032191
TIME	See Below
PAGE	1 OF 1
PAGE	
PROJECT NO.	40721.02.06

SAMPLE COLLECTION LOG

PROJECT NAME SKT Harbor ANK
SAMPLE NO. See Below
SAMPLE LOCATION SKT Harbor Breakwater Water MWS-04
SAMPLE TYPE Soil
COMPOSITE YES ✓ NO
COMPOSITE TYPE NA
DEPTH OF SAMPLE See Below
WEATHER Overcast, Some Rain, Cool, Windy

CONTAINERS USED	AMOUNT COLLECTED
6-neck Beers	See Below
Sieve w/ Tensar	
Liquid Caps	

COMMENTS:	Sample #	Time	Thaw Comp	Humidity	Relative	Comments
	MWS-04-0-2-01.02	0955	7,10,10	0	100, 30, 0	HL=1, FL=1
	MWS-04-5-6 1/2-01	1020			No Rain	
	MWS-04-15-16 1/2-01.02.03	1030	25,10,15	0	100, 90, 40	HL=2, FL=1
	MWS-04-20-21 1/2-01	1040	50	NA	20%	FL=1
	MWS-04-25-26 1/2-01	1045	50	NA	20%	FL=1
	MWS-04-40-41 1/2-01	1115	50	160	10%	FL=1
	MWS-04-45-46 1/2-01	1130	50	190	10%	FL=1
	MWS-04-50-51 1/2-01	1140	50	220	10%	FL=1
	MWS-04-65-66 1/2-01	1250	21,50	300	20%	FL=1
	MWS-04-70-71 1/2-01	1305	50	300	10%	FL=1
	MWS-04-99-01	1330	NA	NA	NA	Composite Sample For H.L.
	GLER13-TIS	0300	NA	NA	NA	TRIP Blank
	LAST LOG					

PREPARED BY: M.G. Anderson

COMMENTS: (Continued)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">DATE</td> <td style="width: 20px; height: 15px;"></td> <td style="width: 20px; height: 15px;"></td> <td style="width: 20px; height: 15px;"></td> <td style="width: 20px; height: 15px;"></td> </tr> <tr> <td style="padding: 2px;">TIME</td> <td style="width: 20px; height: 15px;"></td> <td style="width: 20px; height: 15px;"></td> <td style="width: 20px; height: 15px;"></td> <td style="width: 20px; height: 15px;"></td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td style="width: 20px; height: 15px;"></td> <td style="width: 20px; height: 15px; text-align: center;">OF</td> <td style="width: 20px; height: 15px;"></td> <td style="width: 20px; height: 15px;"></td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td style="width: 20px; height: 15px;"></td> <td style="width: 20px; height: 15px;"></td> <td style="width: 20px; height: 15px;"></td> <td style="width: 20px; height: 15px;"></td> </tr> <tr> <td colspan="5" style="padding: 2px;">PROJECT NO.</td> </tr> </table>	DATE					TIME					PAGE		OF			PAGE					PROJECT NO.				
DATE																											
TIME																											
PAGE		OF																									
PAGE																											
PROJECT NO.																											

PREPARED BY: _____

LEGEND

1. A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
2. ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
4. DATE: USE MONTH/DAY/YEAR; I.E., 10/30/85
5. TIME: USE 24-HOUR CLOCK; I.E., 1835 FOR 6:35 P.M.
6. PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE _____ OF _____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY, I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
7. SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
8. SAMPLE TYPE: USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT
9. COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
10. DEPTH OF SAMPLE. GIVE UNITS, WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE " OR "
11. WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS
12. CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS; 4 - 40 ML GLASS VIAL; 1 - 400 ML PLASTIC; 1 - 3 INCH STEEL TUBE; 1 - 8 OZ. GLASS JAR)
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G. 1/2 FULL).



DATE	03	22	91
TIME	See Below		
PAGE	1	OF	1
PAGE			
PROJECT NO.	409321-02-06		

SAMPLE COLLECTION LOG

PROJECT NAME SKY HARBOR ANK

SAMPLE NO. See Below

SAMPLE LOCATION SKY HARBOR ANK, SITE 3, MONITOR WELL MW3-01

SAMPLE TYPE Soil

COMPOSITE	CONTAINERS USED	AMOUNT COLLECTED
<u>YES</u> <input type="checkbox"/> <u>NO</u> <input checked="" type="checkbox"/>	<u>6-inch Bagg</u>	<u>See Below</u>
COMPOSITE TYPE <u>NA</u>	<u>SLEEVES w/ Tiers</u>	
DEPTH OF SAMPLE <u>See Below</u>	<u>Linear Core</u>	
WEATHER		

COMMENTS:	Source #	Time	Brw Count	HNW Reading	Receiver	Comments
MBS-01-0-1 1/2-01,02,03	0845	12, 14, 11	0	02, 00, 110	FL=2 FL=2	
MBS-01-5-6 1/2-01,02,03	0900	5, 6, 6	0	120, 110, 100	FL=2 FL=1	
MBS-01-10-11 1/2-01	0910	30, 29, 30	NA	09, 0, 0	HL=1	
MBS-01-35-36 1/2-01,02	1010	50	0	20, 10	HL=1, R=1	
MBS-01-40-41 1/2-01	1030	50	0	20	FL=1	
MBS-01-45-46 1/2-01 MBS-01-49-50	1030 1030	NA	10	NA	FL=1 (C)	
MBS-01-50-51 1/2-01,02	1050	50	0	75, 10	HL=1 FL=1	
MBS-01-55-56 1/2-01	1105	36, 50	0	36, 10	FL=1	
MBS-01-60-61 1/2-01,02	1115	32, 50	0	70, 20	HL=1, R=1	

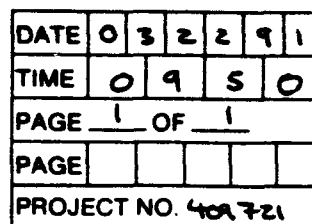
PREPARED BY: Mark A. Hardin

COMMENTS: (Continued)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">DATE</td> <td style="width: 20px; height: 15px;"></td> <td style="width: 20px; height: 15px;"></td> <td style="width: 20px; height: 15px;"></td> <td style="width: 20px; height: 15px;"></td> </tr> <tr> <td style="padding: 2px;">TIME</td> <td style="width: 20px; height: 15px;"></td> <td style="width: 20px; height: 15px;"></td> <td style="width: 20px; height: 15px;"></td> <td style="width: 20px; height: 15px;"></td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td style="width: 20px; height: 15px;"></td> <td style="width: 20px; height: 15px;"></td> <td style="width: 20px; height: 15px;"></td> <td style="width: 20px; height: 15px;"></td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td style="width: 20px; height: 15px;"></td> <td style="width: 20px; height: 15px;"></td> <td style="width: 20px; height: 15px;"></td> <td style="width: 20px; height: 15px;"></td> </tr> <tr> <td colspan="5" style="padding: 2px;">PROJECT NO.</td> </tr> </table>	DATE					TIME					PAGE					PAGE					PROJECT NO.				
DATE																											
TIME																											
PAGE																											
PAGE																											
PROJECT NO.																											

PREPARED BY: _____

LEGEND

1. A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
2. ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
4. DATE: USE MONTH/DAY/YEAR. I.E., 10/30/85
5. TIME: USE 24-HOUR CLOCK. I.E., 1835 FOR 6:35 P.M.
6. PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE _____ OF _____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
7. SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
8. SAMPLE TYPE: USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT.
9. COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
10. DEPTH OF SAMPLE: GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE " OR "
11. WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
12. CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL).



PROJECT NAME Sky Harbor ANG

SAMPLE NO. QC-ER14

SAMPLE LOCATION Well MW3-01 Pinate

SAMPLE TYPE Water

COMPOSITE YES ☒ NO

COMPOSITE TYPE NA

DEPTH OF SAMPLE NA

WEATHER Clear, slight NE breeze 30°F

CONTAINERS USED	AMOUNT COLLECTED
<u>See below</u>	

COMMENTS:

Re-inside of CA sampler

pH = 4.48
Cond: 80 μ mhos
Temp: 16.1 $^{\circ}$ C

2 - 40 ml w/ HCl
1 - 1 liter w/ HCl
2 - 1 liter w/o HCl

PREPARED BY: J. Tyll

COMMENTS: (Continued)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">DATE</td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> </tr> <tr> <td style="padding: 2px;">TIME</td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td colspan="5" style="text-align: center;">____ OF ____</td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> </tr> <tr> <td style="padding: 2px;">PROJECT NO.</td> <td colspan="5"></td> </tr> </table>	DATE						TIME						PAGE	____ OF ____					PAGE						PROJECT NO.					
DATE																																
TIME																																
PAGE	____ OF ____																															
PAGE																																
PROJECT NO.																																

PREPARED BY: _____

LEGEND

1. A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
2. ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED, IF NOT APPLICABLE MARK N/A.
4. DATE: USE MONTH/DAY/YEAR: I.E., 10/30/85
5. TIME: USE 24-HOUR CLOCK: I.E., 1835 FOR 6:35 P.M.
6. PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE ____ OF ____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY, I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
7. SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
8. SAMPLE TYPE: USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT.
9. COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
10. DEPTH OF SAMPLE: GIVE UNITS, WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE " OR "
11. WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
12. CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL; 1 - 400 ML PLASTIC; 1 - 3 INCH STEEL TUBE; 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL).



DATE	0	3	2	2	9	1
TIME	See Below					
PAGE	1 OF 1					
PAGE						
PROJECT NO.	4097-21					

SAMPLE COLLECTION LOG

PROJECT NAME Sky Harbor ANG
SAMPLE NO. See Below
SAMPLE LOCATION Spill pile cuttings
SAMPLE TYPE Scrap
COMPOSITE YES ☒ NO
COMPOSITE TYPE NA
DEPTH OF SAMPLE NA
WEATHER 65°F, cool, calm

CONTAINERS USED	AMOUNT COLLECTED
<u>See below</u>	

COMMENTS:			
Collect 1 500ml jar sample of spoil cutting, from piezometer well drilling.			
Well #	Sample Vol.	Time	Sample #
PS-1	500ml	1340	SC-PS1-1
PS-2	500ml	1400	SC-PS2-1
PS-3	500ml	1350	SC-PS3-1

COMMENTS: (Continued)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">DATE</td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> </tr> <tr> <td style="padding: 2px;">TIME</td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td colspan="7" style="text-align: center;">____ OF ____</td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> </tr> <tr> <td colspan="8" style="padding: 2px;">PROJECT NO.</td> </tr> </table>	DATE								TIME								PAGE	____ OF ____							PAGE								PROJECT NO.							
DATE																																										
TIME																																										
PAGE	____ OF ____																																									
PAGE																																										
PROJECT NO.																																										

PREPARED BY: _____

LEGEND

1. A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
2. ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED, IF NOT APPLICABLE MARK N/A.
4. DATE: USE MONTH/DAY/YEAR: I.E., 10/30/85
5. TIME: USE 24-HOUR CLOCK: I.E., 1835 FOR 6:35 P.M.
6. PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE ____ OF ____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY, I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC
7. SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
8. SAMPLE TYPE: USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS: OIL, VEGETATION: WIPE, SEDIMENT
9. COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
10. DEPTH OF SAMPLE: GIVE UNITS, WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE " OR ".
11. WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
12. CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS; 4 - 40 ML GLASS VIAL; 1 - 400 ML PLASTIC; 1 - 3 INCH STEEL TUBE; 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G. 1/2 FULL).



**INTERNATIONAL
TECHNOLOGY
CORPORATION**

DATE	0	3	2	3	9	1
TIME	1	1	3	5		
PAGE	1		OF		1	
PAGE						
PROJECT NO.	407721					

SAMPLE COLLECTION LOG

PROJECT NAME Sky Harbor ANG

SAMPLE NO. QC - ER15

SAMPLE LOCATION Equip. Rinsate well MW3-02

SAMPLE TYPE water

COMPOSITE YES ☒ NO

COMPOSITE TYPE NA

DEPTH OF SAMPLE NA

WEATHER Clear, light SE breeze 60°F

CONTAINERS USED	AMOUNT COLLECTED
<u>see below</u>	

COMMENTS:

Equipment list of CA sampler

PH = 4.28
Cond = 30 μ mhos
Temp = 24.3 $^{\circ}$ C

2 - 40-l glass w/ HCl
2 - 1-liter glass w/ preservatives
1 - 1-liter glass w/ HCl

PREPARED BY: J. Tyburski

COMMENTS: (Continued)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">DATE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">TIME</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td colspan="4" style="text-align: center;">____ OF ____</td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">PROJECT NO.</td> <td colspan="4" style="height: 20px;"></td> </tr> </table>	DATE					TIME					PAGE	____ OF ____				PAGE					PROJECT NO.				
DATE																											
TIME																											
PAGE	____ OF ____																										
PAGE																											
PROJECT NO.																											

PREPARED BY: _____

LEGEND

- 1 A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
- 2 ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
- 4 DATE. USE MONTH/DAY/YEAR. I.E., 10/30/85
- 5 TIME. USE 24-HOUR CLOCK. I.E., 1835 FOR 6:35 P.M.
- 6 PAGE. EACH SAMPLE TEAM SHOULD NUMBER PAGE ____ OF ____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC
- 7 SAMPLE LOCATION. USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
- 8 SAMPLE TYPE. USE THE FOLLOWING - SOIL; WATER (SURFACE OR GROUND); AIR (FILTERS, TUBES, AMBIENT, PERSONNEL); SLUDGE; DRUM CONTENTS; OIL; VEGETATION; WIPE; SEDIMENT
- 9 COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
- 10 DEPTH OF SAMPLE. GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE " OR "
- 11 WEATHER. APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
- 12 CONTAINERS USED. LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS; 4 - 40 ML GLASS VIAL; 1 - 400 ML PLASTIC; 1 - 3 INCH STEEL TUBE; 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G. 1/2 FULL).



DATE	0	3	2	4	9	1
TIME	1	6	4	0		
PAGE	1		OF 1			
PAGE						
PROJECT NO. 409721						

PROJECT NAME Sky Harbor ANG

SAMPLE NO. QC - FB6

SAMPLE LOCATION 2nd Order of D.I. water - Field Blank

SAMPLE TYPE Water

COMPOSITE YES ☒ NO

COMPOSITE TYPE NA

DEPTH OF SAMPLE NA

WEATHER 80°+F, high clouds

CONTAINERS USED	AMOUNT COLLECTED
See Below	

COMMENTS:

pH = 4.55
Cond = 40 μ mhos
Temp = 22.1 $^{\circ}$ C

2-40ml w/ HCl
2-40ml w/ HCl
1-1-liter w/o preservative glass
1-1-liter w/o preservative glass
2-1-liter poly w/ HNO_3
1-500ml poly w/ H_2SO_4
1-1-liter glass w/ HCl

PREPARED BY: J. Tyburski

COMMENTS: (Continued)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">DATE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">TIME</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td colspan="4" style="text-align: center;">____ OF ____</td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td colspan="5" style="padding: 2px;">PROJECT NO.</td> </tr> </table>	DATE					TIME					PAGE	____ OF ____				PAGE					PROJECT NO.				
DATE																											
TIME																											
PAGE	____ OF ____																										
PAGE																											
PROJECT NO.																											

PREPARED BY: _____

LEGEND

- 1 A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
- 2 ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
- 4 DATE USE MONTH/DAY/YEAR. I.E., 10/30/85
5. TIME USE 24-HOUR CLOCK. I.E., 1835 FOR 6:35 P.M.
- 6 PAGE EACH SAMPLE TEAM SHOULD NUMBER PAGE ____ OF ____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
- 7 SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY
- 8 SAMPLE TYPE: USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE SEDIMENT
- 9 COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
10. DEPTH OF SAMPLE. GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE "OR"
- 11 WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS
- 12 CONTAINERS USED. LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS; 4 - 40 ML GLASS VIAL; 1 - 400 ML PLASTIC; 1 - 3 INCH STEEL TUBE; 1 - 8 OZ. GLASS JAR)
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL).



DATE	0	3	2	4	9	1
TIME	1	4	0	0		
PAGE	1 OF 1					
PAGE						
PROJECT NO. 409721						

SAMPLE COLLECTION LOG

PROJECT NAME Sky Harbor ANG

SAMPLE NO. QC - FBS

SAMPLE LOCATION Field Blank - Pipe truck steam cleaner

SAMPLE TYPE Water

COMPOSITE YES ☒ NO

COMPOSITE TYPE NA

DEPTH OF SAMPLE NA

WEATHER High clouds, 80°F

CONTAINERS USED	AMOUNT COLLECTED
<u>See Below</u>	

COMMENTS:	<u>Source:</u>
	<u>Pipe truck steam cleaner</u>
	<u>pH = 6.43</u>
	<u>Cond = 1230 μmhos</u>
	<u>Temp = 31.2 °C</u>
	<u>2 - 40ml glass w/ HCl</u>
	<u>2 - 1-l. liter glass no preservative</u>
	<u>1 - 1-l. liter glass w/ HCl</u>

PREPARED BY: J. Tybanski

COMMENTS: (Continued)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">DATE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">TIME</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td style="width: 20px; height: 20px;"></td> <td colspan="4" style="padding: 2px;">OF</td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td colspan="6" style="padding: 2px;">PROJECT NO.</td> </tr> </table>	DATE						TIME						PAGE		OF				PAGE						PROJECT NO.					
DATE																																
TIME																																
PAGE		OF																														
PAGE																																
PROJECT NO.																																

PREPARED BY: _____

LEGEND

1. A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
2. ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
4. DATE: USE MONTH/DAY/YEAR: I.E., 10/30/85
5. TIME: USE 24-HOUR CLOCK: I.E., 1835 FOR 6:35 P.M.
6. PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE _____ OF _____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
7. SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
8. SAMPLE TYPE: USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT.
9. COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
10. DEPTH OF SAMPLE: GIVE UNITS, WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE " OR "
11. WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
12. CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL).



DATE	0	3	2	4	9	1
TIME	1	3	5	0		
PAGE	1 OF 1					
PAGE						
PROJECT NO.	409721					

SAMPLE COLLECTION LOG

PROJECT NAME Sky Harbor ANG
SAMPLE NO. QC-ER16 17 II
SAMPLE LOCATION Equip. Rinse SB3-04
SAMPLE TYPE Water
COMPOSITE YES ☒ NO
COMPOSITE TYPE N/A
DEPTH OF SAMPLE NA
WEATHER High clouds, 80°F

CONTAINERS USED	AMOUNT COLLECTED
<u>See below</u>	

COMMENTS:
<u>Equipment Rinse of CA sampler at</u>
<u>soil boring SB3-04</u>
<u>PH = 4.69</u>
<u>Cond = 40 μhos</u>
<u>Temp = 26.9 °C</u>
<u>2-40 ml glass w/ HCl</u>
<u>2-1-liter glass no preservative</u>
<u>1-1-liter glass w/ HCl</u>

PREPARED BY: J. Tybuski

COMMENTS: (Continued)	
---------------------------------	--

DATE	
TIME	
PAGE	____ OF ____
PAGE	
PROJECT NO.	

PREPARED BY: _____

LEGEND

- 1 A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
- 2 ALWAYS COMPLETE BOTH SIDES IF SECOND SIDE IS NOT USED. DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY
- 3 ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
- 4 DATE USE MONTH/DAY/YEAR. I.E., 10/30/85
- 5 TIME USE 24-HOUR CLOCK. I.E., 1835 FOR 6:35 P.M.
- 6 PAGE EACH SAMPLE TEAM SHOULD NUMBER PAGE ____ OF ____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
- 7 SAMPLE LOCATION USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
- 8 SAMPLE TYPE. USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND); AIR (FILTERS, TUBES, AMBIENT, PERSONNEL); SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT.
- 9 COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
- 10 DEPTH OF SAMPLE GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE " OR "
- 11 WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
- 12 CONTAINERS USED LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS; 4 - 40 ML GLASS VIAL; 1 - 400 ML PLASTIC; 1 - 3 INCH STEEL TUBE; 1 - 8 OZ. GLASS JAR).
- 13 AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL).



**INTERNATIONAL
TECHNOLOGY
CORPORATION**

DATE	0	3	2	4	9	1
TIME	See Below					
PAGE	1		OF 1			
PAGE						
PROJECT NO.	40172-02 06					

SAMPLE COLLECTION LOG

PROJECT NAME SKY HARBOR ANG

SAMPLE NO. See Below

SAMPLE LOCATION SKY HARBOR ANG, SITE 3, SOIL BORING SB3-04

SAMPLE TYPE SOIL

COMPOSITE	CONTAINERS USED	AMOUNT COLLECTED
<u>YES</u> <input type="checkbox"/> <u>NO</u> <input checked="" type="checkbox"/>	<u>6-inch Bagg</u>	<u>See Below</u>
COMPOSITE TYPE <u>NA</u>	<u>Sevens w/Tamers</u>	
DEPTH OF SAMPLE <u>See Below</u>	<u>Lowest Cus</u>	
WEATHER <u>Sunny, HOT, BREEZE</u>		

COMMENTS:	Source #	Time	Brought	HA/Rain	Recess	Comments
S B3-04-0-1 1/2-01	02, 113	1400	10, 12, 14	0	100, 70, 50	HL=2, FL=1
S B3-04-5-6 1/2-01	02, 113	1415	11, 12, 14	0	100, 70, 50	30 HL=3, FL=1
S B3-04-10-11 1/2-01	04	1430	50	0	30%	FL=1
S B3-04-15-16 1/2-01		1440	50	NA	70%	HL=1
S B3-04-20-21 1/2-01		1450	50	0	20%	FL=1
S B3-04-35-36 1/2-01		1525	50	0	20%	FL=1
S B3-04-40-41 1/2-01		1535	50	0	10%	FL=1
← LAST LINE →						

PREPARED BY: M. G. Gardin

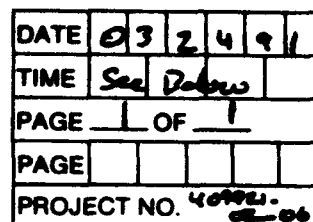
COMMENTS: (Continued)	
---------------------------------	--

DATE	
TIME	
PAGE	OF
PAGE	
PROJECT NO.	

PREPARED BY: _____

LEGEND

1. A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
2. ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
4. DATE USE MONTH/DAY/YEAR. I.E., 10/30/85
5. TIME USE 24-HOUR CLOCK. I.E., 1835 FOR 6 35 P.M.
6. PAGE EACH SAMPLE TEAM SHOULD NUMBER PAGE _____ OF _____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
7. SAMPLE LOCATION USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
8. SAMPLE TYPE USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT
9. COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
10. DEPTH OF SAMPLE. GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE "OR"
11. WEATHER. APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS
12. CONTAINERS USED. LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS; 4 - 40 ML GLASS VIAL; 1 - 400 ML PLASTIC; 1 - 3 INCH STEEL TUBE; 1 - 8 OZ. GLASS JAR)
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL)



PROJECT NAME SKY HARBOR ANV

SAMPLE NO. See Below

SAMPLE LOCATION SKY HARBOR ANV, Site 3, Soil Boring At SB3-01

SAMPLE TYPE Soil

COMPOSITE	CONTAINERS USED	AMOUNT COLLECTED
<u>YES</u> <input checked="" type="checkbox"/> <u>NO</u> <input type="checkbox"/>		
COMPOSITE TYPE <u>NA</u>	<u>6-inch Bins</u>	<u>See Below</u>
DEPTH OF SAMPLE <u>See Below</u>	<u>Seams w/ Tens-</u>	
WEATHER <u>Sunny, Breezy, Cool (am) to Hot (pm)</u>	<u>lined Cars</u>	

PREPARED BY: Mark G. Harding

COMMENTS: (Continued)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">DATE</td> <td style="width: 20px;"></td> <td style="width: 20px;"></td> <td style="width: 20px;"></td> <td style="width: 20px;"></td> <td style="width: 20px;"></td> </tr> <tr> <td style="padding: 2px;">TIME</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td></td> <td style="text-align: center;">OF</td> <td></td> <td></td> <td></td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="6" style="padding: 2px;">PROJECT NO.</td> </tr> </table>	DATE						TIME						PAGE		OF				PAGE						PROJECT NO.					
DATE																																
TIME																																
PAGE		OF																														
PAGE																																
PROJECT NO.																																

PREPARED BY: _____

LEGEND

1. A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
2. ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED, IF NOT APPLICABLE MARK N/A.
4. DATE: USE MONTH/DAY/YEAR. I.E., 10/30/85
5. TIME: USE 24-HOUR CLOCK. I.E., 1835 FOR 6:35 P.M.
6. PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE _____ OF _____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
7. SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D. OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
8. SAMPLE TYPE: USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT.
9. COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
10. DEPTH OF SAMPLE: GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE " OR "
11. WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
12. CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL).



DATE	0	3	2	5	9	1
TIME	See Below					
PAGE	1	OF 1				
PAGE						
PROJECT NO.	404321-06 02-06					

SAMPLE COLLECTION LOG

PROJECT NAME SKY HAWK AN-6 Base

SAMPLE NO. See Below

SAMPLE LOCATION SKY HAWK AN-6 Base, SITE 3, Boring SB3-03

SAMPLE TYPE Soil

CONTAINERS USED	AMOUNT COLLECTED
<u>Green Bagg</u>	<u>See Below</u>
<u>Sealed w/ Teflon-</u>	
<u>lined caps</u>	

COMPOSITE YES ☒ NO

COMPOSITE TYPE Not

DEPTH OF SAMPLE See Below

WEATHER Overcast, DRESSY, Cool

COMMENTS:	Source #	Time	Blankets	Hair Ropes	Rebar	Comments
S03-03-01-11 1/2 - 01, 12, 13	1150	22, 25, 34	0	90, 100, 50	HL=2, FL=1	
S03-03-02-5-3 1/2 - 01	1205	25, 50	NA	50	HL=1	
S03-03-10-11 1/2 - 01, 12, 13	1210	23, 32, 50	0	100, 100, 100	HL=2, FL=1	
S03-03-20-21 1/2 - 01, 12	1255	19, 29, 31	0	75, 30	HL=1, FL=1	
S03-03-34-01	1325	NA	0	NA	FL=1: Confusion at N 34 E.	
S03-03-40-41 1/2 - 01	1335	50	0	20%	FL=1	
S03-03-54-01	1400	NA	0	NA	FL=1: Confusion at N 54 E.	
S03-03-74-01	1450	NA	0	NA	FL=1: Confusion at N 74 E.	
← LAST LINE →						

PREPARED BY: M.A. Barker

COMMENTS: (Continued)	
---------------------------------	--

DATE _____
 TIME _____
 PAGE _____ OF _____
 PAGE _____
 PROJECT NO. _____

PREPARED BY: _____

LEGEND

1. A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
2. ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
4. DATE: USE MONTH/DAY/YEAR. I.E., 10/30/85
5. TIME: USE 24-HOUR CLOCK. I.E., 1835 FOR 6:35 P.M.
6. PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE _____ OF _____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
7. SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
8. SAMPLE TYPE: USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT.
9. COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
10. DEPTH OF SAMPLE: GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE "OR"
11. WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
12. CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL)



DATE	03	25	91
TIME	See Below		
PAGE	1 OF 1		
PAGE			
PROJECT NO.	40821-02-06		

SAMPLE COLLECTION LOG

PROJECT NAME Sky Harbor ANK
SAMPLE NO. See Below
SAMPLE LOCATION Sky Harbor ANK Base, Site 3, Soil Borehole SB3-04 (Continued)
SAMPLE TYPE Soil
COMPOSITE YES ☒ NO
COMPOSITE TYPE NA
DEPTH OF SAMPLE See Below
WEATHER Overcast, Drizzly, Cool

CONTAINERS USED	AMOUNT COLLECTED
<u>6mm Drums</u>	<u>See Below</u>
<u>Sealers w/ Taper</u>	
<u>Lower Caps</u>	

COMMENTS:	Sample #	Time	Bar/Case	Humidity	Pressure	Comments
	SB3-04-49-01	0840	FO NA	0	NA	Composite at 49 ft.
	SB3-04-68-69-01	0920	SD	0	10%	FL=1
	SB3-04-74-01	0940	NA	0	NA	FL=1: Composite at 74 ft.

LAST LINE

PREPARED BY: Mark A. Haskins

COMMENTS:
(Continued)

DATE

TIME

PAGE

OF

PAGE

PROJECT NO.

PREPARED BY: _____

LEGEND

- 1 A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
- 2 ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
- 3 ALL ENTRIES ON LOG ARE TO BE COMPLETED, IF NOT APPLICABLE MARK N/A.
- 4 DATE: USE MONTH/DAY/YEAR: I.E., 10/30/85
- 5 TIME: USE 24-HOUR CLOCK: I.E., 1835 FOR 6:35 P.M.
- 6 PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE _____ OF _____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY, I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC
- 7 SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D. OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY
- 8 SAMPLE TYPE: USE THE FOLLOWING - SOIL; WATER (SURFACE OR GROUND); AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS: OIL; VEGETATION; WIPE; SEDIMENT
- 9 COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
- 10 DEPTH OF SAMPLE: GIVE UNITS, WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE ' OR "
- 11 WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS
- 12 CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS; 4 - 40 ML GLASS VIAL; 1 - 400 ML PLASTIC; 1 - 3 INCH STEEL TUBE; 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G. 1/2 FULL).



DATE	0	3	2	5	9	1
TIME	1	4	5	0		
PAGE	1	OF	1			
PAGE						
PROJECT NO.	4	0	7	2	1	

SAMPLE COLLECTION LOG

PROJECT NAME	Sky Harbor ANG	
SAMPLE NO.	QC-ER16	
SAMPLE LOCATION	Equipment Rinsate From SB3-03	
SAMPLE TYPE	Water	
COMPOSITE	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
COMPOSITE TYPE	NA	
DEPTH OF SAMPLE	NA	
WEATHER	Overcast 75°F	
	CONTAINERS USED	AMOUNT COLLECTED
	See Below	

COMMENTS:

Equipment Rinse of CA sampler

pH = 5.23
Cond = 50 μ hos
Temp = 26.9 $^{\circ}$ C

2 - 40-ml VOA glass w/ HCl
1 - 1-liter glass w/ HCl
2 - 1-liter glass w/o preservatives

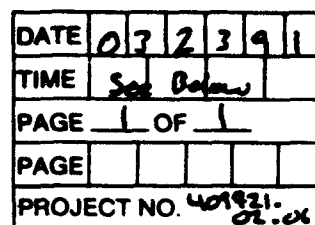
PREPARED BY: J. Tyburski

COMMENTS: (Continued)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">DATE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">TIME</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td colspan="4" style="text-align: center;">____ OF ____</td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">PROJECT NO.</td> <td colspan="4" style="height: 20px;"></td> </tr> </table>	DATE					TIME					PAGE	____ OF ____				PAGE					PROJECT NO.				
DATE																											
TIME																											
PAGE	____ OF ____																										
PAGE																											
PROJECT NO.																											

PREPARED BY: _____

LEGEND

- 1 A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
- 2 ALWAYS COMPLETE BOTH SIDES IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY
- 3 ALL ENTRIES ON LOG ARE TO BE COMPLETED, IF NOT APPLICABLE MARK N/A.
- 4 DATE USE MONTH/DAY/YEAR, I.E., 10/30/85
- 5 TIME USE 24-HOUR CLOCK, I.E., 1835 FOR 6:35 P.M.
- 6 PAGE EACH SAMPLE TEAM SHOULD NUMBER PAGE ____ OF ____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY, I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
- 7 SAMPLE LOCATION USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
- 8 SAMPLE TYPE USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND); AIR (FILTERS, TUBES, AMBIENT, PERSONNEL); SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT
- 9 COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
- 10 DEPTH OF SAMPLE. GIVE UNITS, WRITE OUT UNITS SUCH AS INCHES, FEET, DON'T USE " OR "
- 11 WEATHER APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
- 12 CONTAINERS USED LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS; 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ. GLASS JAR).
- 13 AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL).



PROJECT NAME SKY HARBOR ANG

SAMPLE NO. See Below

SAMPLE LOCATION SKY HARBOR ANG, SITE 3, MONITOR WELL MW3-02

SAMPLE TYPE SOIL

COMPOSITE YES ☒ NO

COMPOSITE TYPE NA

DEPTH OF SAMPLE See Below

WEATHER Sunny, Cool Air - High AM, Breeze

CONTAINERS USED	AMOUNT COLLECTED
6-inch Dams Sieves	See Below
4 Teflon - liners	
Cups	

PREPARED BY: Mark A. Sandlin

COMMENTS: (Continued)	
---------------------------------	--

DATE	
TIME	
PAGE	OF
PAGE	
PROJECT NO.	

PREPARED BY: _____

LEGEND

- 1 A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
- 2 ALWAYS COMPLETE BOTH SIDES IF SECOND SIDE IS NOT USED. DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A
- 4 DATE: USE MONTH/DAY/YEAR. I.E., 10/30/85
- 5 TIME: USE 24-HOUR CLOCK. I.E., 1835 FOR 6:35 P.M.
- 6 PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE _____ OF _____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
- 7 SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY
- 8 SAMPLE TYPE: USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT
- 9 COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
- 10 DEPTH OF SAMPLE. GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE " OR "
- 11 WEATHER. APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS
- 12 CONTAINERS USED. LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ. GLASS JAR)
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL).



DATE	0	3	2	6	9	1
TIME	08:15					
PAGE	1 OF 1					
PAGE						
PROJECT NO.	409821.02.06					

SAMPLE COLLECTION LOG

PROJECT NAME SKY HARBOR ANG
SAMPLE NO. WV-MWS-04-01
SAMPLE LOCATION SKY HARBOR ANG BASE, PROGRESS, AZ, SITES 3 & 4
SAMPLE TYPE WATER
COMPOSITE YES ☒ NO
COMPOSITE TYPE NA
DEPTH OF SAMPLE NA
WEATHER RAINY, BREEZY, COOL

CONTAINERS USED	AMOUNT COLLECTED
<u>2 3x40 ml</u>	<u>120 ml</u> <input checked="" type="checkbox"/>
<u>VOA Bottles</u>	

COMMENTS:
PH = 6.78
CONDUCTIVITY = 1050 μ mhos/cm
TURBIDITY = 25.2 NTU
TEMPERATURE = 23.8°C
Collected 3-40 ml VOA's
Sample collected for BTEX, TCE, DCE, DCA FOR FIELD G.C.

PREPARED BY: M. G. Hahn

COMMENTS: (Continued)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">DATE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">TIME</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">PAGE ____ OF ____</td> <td colspan="5"></td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">PROJECT NO.</td> <td colspan="5"></td> </tr> </table>	DATE						TIME						PAGE ____ OF ____						PAGE						PROJECT NO.					
DATE																																
TIME																																
PAGE ____ OF ____																																
PAGE																																
PROJECT NO.																																

PREPARED BY: _____

LEGEND

1. A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
2. ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
4. DATE: USE MONTH/DAY/YEAR. I.E., 10/30/85
5. TIME: USE 24-HOUR CLOCK. I.E., 1835 FOR 6:35 P.M.
6. PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE ____ OF ____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY, I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
7. SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
8. SAMPLE TYPE: USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT.
9. COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
10. DEPTH OF SAMPLE: GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE " OR "
11. WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
12. CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL).



DATE	03	27	91
TIME	5:00 PM		
PAGE	1 OF 1		
PAGE			
PROJECT NO.	40121.02.06		

SAMPLE COLLECTION LOG

PROJECT NAME SKY HARBOR ANG
SAMPLE NO. WV-MW3-01-01
SAMPLE LOCATION Monitor Well MW3-01
SAMPLE TYPE WATER
COMPOSITE YES ☒ NO
COMPOSITE TYPE NA
DEPTH OF SAMPLE NA
WEATHER Bumpy, Breezy, Cool

CONTAINERS USED	AMOUNT COLLECTED
3 x 40 mL	120 mL
VOA Bottles	

COMMENTS:
PH = 6.77
CONDUCTIVITY = 1000
TURBIDITY = 18.1
TEMP = 22.2
collected 3 x 40ml VOA's
SAMPLE collected for BTEX, TCE, DCE, DCA for field G.C.

PREPARED BY: Brad Wilkins

COMMENTS: (Continued)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">DATE</td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> </tr> <tr> <td style="padding: 2px;">TIME</td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td colspan="5" style="text-align: center;">OF</td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> </tr> <tr> <td colspan="8" style="padding: 2px;">PROJECT NO.</td> </tr> </table>	DATE								TIME								PAGE			OF					PAGE								PROJECT NO.							
DATE																																										
TIME																																										
PAGE			OF																																							
PAGE																																										
PROJECT NO.																																										

PREPARED BY: _____

LEGEND

1. A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
2. ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
4. DATE: USE MONTH/DAY/YEAR. I.E., 10/30/85
5. TIME: USE 24-HOUR CLOCK. I.E., 1835 FOR 6:35 P.M.
6. PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE _____ OF _____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
7. SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D. OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
8. SAMPLE TYPE: USE THE FOLLOWING: SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT.
9. COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
10. DEPTH OF SAMPLE: GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE " OR "
11. WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
12. CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL).



DATE	03	27	91
TIME			
PAGE	1	OF	
PAGE			
PROJECT NO.	40481	02-01	

SAMPLE COLLECTION LOG

PROJECT NAME Sky Harbor Ave
SAMPLE NO. WV-MW3-02-01
SAMPLE LOCATION Monitor Well MW3-02
SAMPLE TYPE Water
COMPOSITE YES ☒ NO
COMPOSITE TYPE NA
DEPTH OF SAMPLE NA
WEATHER Rainy, Windy, Cool

CONTAINERS USED	AMOUNT COLLECTED
<u>3 x 40 ml</u>	<u>120 ml</u>
<u>VOA Bottles</u>	

COMMENTS:
PH: 6.83
Conductivity = 110
Turbidity = 10.1
Temp = 22.2
Collected 3-40ml VOA's
Sample collected for HE BTEX, TCE, DCE, DCA, Field G.C.

PREPARED BY: Bruce Wilkins

COMMENTS: (Continued)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">DATE</td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> </tr> <tr> <td style="padding: 2px;">TIME</td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td colspan="5" style="text-align: center;">____ OF ____</td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> </tr> <tr> <td style="padding: 2px;">PROJECT NO.</td> <td colspan="5"></td> </tr> </table>	DATE						TIME						PAGE	____ OF ____					PAGE						PROJECT NO.					
DATE																																
TIME																																
PAGE	____ OF ____																															
PAGE																																
PROJECT NO.																																

PREPARED BY: _____

LEGEND

- 1 A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
- 2 ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
- 3 ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
- 4 DATE: USE MONTH/DAY/YEAR. I.E., 10/30/85
- 5 TIME: USE 24-HOUR CLOCK. I.E., 1835 FOR 6:35 P.M.
- 6 PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE ____ OF ____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC
- 7 SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY
- 8 SAMPLE TYPE: USE THE FOLLOWING - SOIL: WATER (SURFACE OR GROUND); AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL: VEGETATION: WIPE, SEDIMENT
- 9 COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
- 10 DEPTH OF SAMPLE: GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET DON'T USE " OR "
- 11 WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
- 12 CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G. 1/2 FULL).



DATE	040291
TIME	See Below
PAGE	1 OF 1
PAGE	
PROJECT NO.	40721-02

SAMPLE COLLECTION LOG

PROJECT NAME Sky Harbor ANG
SAMPLE NO. See Below
SAMPLE LOCATION Sky Harbor ANG Base, Phoenix, AZ, PUEBLO WATER DRAIN TANK
SAMPLE TYPE Water
COMPOSITE ☒ YES ☐ NO
COMPOSITE TYPE Calitwasa Sampler
DEPTH OF SAMPLE X-Section Top to Bottom
WEATHER Sunny, Warm, Breezy (N35W)

CONTAINERS USED	AMOUNT COLLECTED
See Below	See Below

COMMENTS:	Tank #	Sample #	Time	Am. Collected
	1	T1-01	1600	2x40 mL (VDA) 1x1000 mL Amber Glass (TPH)
	2	T2-01	1620	2x40 mL (VDA) 1x1000 mL Amber (TPH)
	3	T3-01	1640	2x40 mL (VDA) 1x1000 mL Amber (TPH)
	4	T4-01	1650	2x40 mL (VDA) 1x1000 mL Amber (TPH)
	5	T5-01	1655	2x40 mL (VDA) 1x1000 mL Amber (TPH)
LAST LINE				

PREPARED BY:

Mark A. Houtman

COMMENTS: (Continued)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">DATE</td> <td style="width: 20px;"></td> <td style="width: 20px;"></td> <td style="width: 20px;"></td> <td style="width: 20px;"></td> <td style="width: 20px;"></td> </tr> <tr> <td style="padding: 2px;">TIME</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td></td> <td style="text-align: center;">OF</td> <td></td> <td></td> <td></td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="6" style="padding: 2px;">PROJECT NO.</td> </tr> </table>	DATE						TIME						PAGE		OF				PAGE						PROJECT NO.					
DATE																																
TIME																																
PAGE		OF																														
PAGE																																
PROJECT NO.																																

PREPARED BY: _____

LEGEND

- 1 A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
- 2 ALWAYS COMPLETE BOTH SIDES IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED, IF NOT APPLICABLE MARK N/A.
- 4 DATE USE MONTH/DAY/YEAR. I.E., 10/30/85
- 5 TIME USE 24-HOUR CLOCK. I.E., 1835 FOR 6:35 P.M.
- 6 PAGE EACH SAMPLE TEAM SHOULD NUMBER PAGE _____ OF _____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
- 7 SAMPLE LOCATION USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY
- 8 SAMPLE TYPE USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT
- 9 COMPOSITE TYPE I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
- 10 DEPTH OF SAMPLE GIVE UNITS, WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE ' OR "
- 11 WEATHER APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
- 12 CONTAINERS USED LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ. GLASS JAR).
- 13 AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL).



**INTERNATIONAL
TECHNOLOGY
CORPORATION**

DATE	0	4	0	3	9	1
TIME	Sat Below					
PAGE	1		OF		1	
PAGE						
PROJECT NO.	40921. 02.05					

SAMPLE COLLECTION LOG

PROJECT NAME SKY HORIZON ANG

SAMPLE NO. See Below

SAMPLE LOCATION Sgt HARRIS ARMY BASE, PHOENIX, AZ

SAMPLE TYPE	CONTAINERS	AMOUNT
WATER		

COMPOSITE	<u> </u> YES	<u> ✓ </u> NO	USED	COLLECTED
			<u> </u>	<u> </u>

COMPOSITE TYPE NA ~~See~~ NA NA

DEPTH OF SAMPLE NA

WEATHER Sunny, Warm, Breeze

COMMENTS:	SAMPLE #	TIME	BOTTLES	COMMENTS
MWS-01-01		1220	10	VOA ⁽²⁾ , SVOA ⁽¹⁾ , TTH ⁽¹⁾ METALS (FILTERED) ⁽²⁾ , TO P ⁽¹⁾ NITRYL CHLORIDE ⁽²⁾ , NITRATE ⁽¹⁾
MWS-01-01-TB		1220	2	VOA ⁽²⁾ - TRIA BLANK
MWS-01-01		1745	3	METALS ⁽¹⁾ , NITRATE/NITRITE ⁽²⁾
QC-ER19		1745	3	METALS ⁽¹⁾ , NITRATE/NITRITE ⁽¹⁾ EQUIP. INCREASE
← LAST LINE →				

PREPARED BY:

PREPARED BY: Mark A. Hansen

COMMENTS: (Continued)	
---------------------------------	--

DATE			
TIME			
PAGE	OF		
PAGE			
PROJECT NO.			

PREPARED BY: _____

LEGEND

1. A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
2. ALWAYS COMPLETE BOTH SIDES IF SECOND SIDE IS NOT USED. DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A
4. DATE. USE MONTH/DAY/YEAR. I.E. 10/30/85
5. TIME. USE 24-HOUR CLOCK. I.E. 1835 FOR 6 35 P.M.
6. PAGE. EACH SAMPLE TEAM SHOULD NUMBER PAGE _____ OF _____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
7. SAMPLE LOCATION. USE BORING OR MONITORING WELL NUMBER. GRID LOCATION (TRANSECT). SAMPLING STATION I.D. OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
8. SAMPLE TYPE. USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT.
9. COMPOSITE TYPE. I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
10. DEPTH OF SAMPLE. GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE "OR"
11. WEATHER. APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
12. CONTAINERS USED. LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G. 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G. 1/2 FULL).



DATE	0	4	0	3	9	1
TIME	1	5	1	S		
PAGE	1 OF 1					
PAGE						
PROJECT NO. 402721						

SAMPLE COLLECTION LOG

PROJECT NAME Sky Harbor ANG
SAMPLE NO. QC - FB 7
SAMPLE LOCATION Tap Water at Field Office
SAMPLE TYPE Water
COMPOSITE YES ☒ NO
COMPOSITE TYPE NA
DEPTH OF SAMPLE NA
WEATHER 80°F, High clouds

CONTAINERS USED	AMOUNT COLLECTED
<u>See Below</u>	

COMMENTS:
Collected tap water from office source. Water used is one segment of decn of Bennett pump
4 - 40-ml glass w/ HCl
2 - 1-liter glass no pres
1 - 1-liter glass w/ HCl
2 - 1-liter poly w/ HNO ₃
1 - 500-ml poly w/ H ₂ SO ₄
pH = 7.05
Cond = 780 μ mhos
Temp = 22.3 °C

PREPARED BY: J. Tyburski

COMMENTS: (Continued)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">DATE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">TIME</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td style="width: 20px; height: 20px;"></td> <td colspan="2" style="padding: 2px;">OF</td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td colspan="5" style="padding: 2px;">PROJECT NO.</td> </tr> </table>	DATE					TIME					PAGE		OF			PAGE					PROJECT NO.				
DATE																											
TIME																											
PAGE		OF																									
PAGE																											
PROJECT NO.																											

PREPARED BY: _____

LEGEND

1. A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
2. ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
4. DATE: USE MONTH/DAY/YEAR. I.E., 10/30/85
5. TIME: USE 24-HOUR CLOCK. I.E., 1835 FOR 6 35 P.M.
6. PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE _____ OF _____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
7. SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
8. SAMPLE TYPE: USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT.
9. COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
10. DEPTH OF SAMPLE: GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE " OR "
11. WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
12. CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL).



**INTERNATIONAL
TECHNOLOGY
CORPORATION**

DATE	0	4	0	4	9	1
TIME	See Below					
PAGE	1	OF 1				
PAGE						
PROJECT NO. 404721-02.05						

SAMPLE COLLECTION LOG

PROJECT NAME SKY HARBOR ANGL

SAMPLE NO. See Below

SAMPLE LOCATION SKY HARBOR ANGL BASE & PAVAGO Military Reservation, Pahrump, NV.

SAMPLE TYPE Water

COMPOSITE	YES	NO	CONTAINERS USED	AMOUNT COLLECTED
COMPOSITE TYPE		<input checked="" type="checkbox"/>	<u>NA</u>	<u>NA</u>
DEPTH OF SAMPLE				
WEATHER				

COMPOSITE ☐ YES ☒ NO

COMPOSITE TYPE NA

DEPTH OF SAMPLE NA

WEATHER Sunny, Dry, HOT (90°)

COMMENTS:	Sample #	Time	Bottles	Comments
	MW4-01-01-TB	0700	4	VOA ⁽¹⁾ Vint. Curious ⁽¹⁾ T Per Burn
	MW4-02-01	1230	4	VOA ⁽²⁾ Vint. Curious ⁽²⁾
		1240	1	TPH
		1250	1	SVA
		1320	2	METALS
		1340	8	VOA ⁽¹⁾ Vint. Curious ⁽¹⁾ T Per Burn
				SVA ⁽¹⁾ Vint. Curious ⁽²⁾
LAST LINE				

PREPARED BY: M. H. Adams



DATE	0	4	0	4	9	1
TIME	See Below					
PAGE	1 OF 1					
PAGE						
PROJECT NO. 409721						

SAMPLE COLLECTION LOG

PROJECT NAME SKY Harbor ANG

SAMPLE NO. See Below

SAMPLE LOCATION Soil Cuttings Site 4 (Papago)

SAMPLE TYPE Scoop

COMPOSITE ☒ YES ☐ NO

COMPOSITE TYPE Spot sample

DEPTH OF SAMPLE NA

WEATHER 85°F, clear, slight easterly

CONTAINERS USED	AMOUNT COLLECTED
<u>See Below</u>	

COMMENTS:									
Collect 500 ml wide mouth jar samples from spill cuttings of piezometers and monitor wells.									
Well #	Sample Vol.			Time	Sample #				
PP-1 & PP-2 composite	500 ml			1040	SC-PP1-01				
MW4-01	500 ml			1430	SC-MW4-01-01				
MW4-02 & PP-3 composite	2-500 ml			1445	SC-MW4-02-01				

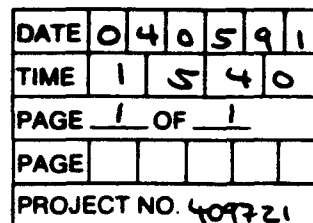
PREPARED BY: J. Tyburski

COMMENTS: (Continued)	<div style="position: absolute; top: 0; right: 0; border: 1px solid black; padding: 5px; width: 150px;"> DATE TIME PAGE ____ OF ____ PAGE PROJECT NO. _____ </div>
---------------------------------	--

PREPARED BY: _____

LEGEND

- 1 A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
- 2 ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
- 3 ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
- 4 DATE: USE MONTH/DAY/YEAR: I.E., 10/30/85
- 5 TIME: USE 24-HOUR CLOCK: I.E., 1835 FOR 6:35 P.M.
- 6 PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE ____ OF ____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC
- 7 SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY
- 8 SAMPLE TYPE: USE THE FOLLOWING - SOIL: WATER (SURFACE OR GROUND); AIR (FILTERS, TUBES, AMBIENT, PERSONNEL); SLUDGE, DRUM CONTENTS, OIL; VEGETATION; WIPE, SEDIMENT
- 9 COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
- 10 DEPTH OF SAMPLE: GIVE UNITS, WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE " OR ".
- 11 WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
- 12 CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS; 4 - 40 ML GLASS VIAL; 1 - 400 ML PLASTIC; 1 - 3 INCH STEEL TUBE; 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G. 1/2 FULL).



PROJECT NAME Sky Harbor ANG

SAMPLE NO. QC - ER21

SAMPLE LOCATION Equipment Rinsate from disposable boiler (MW3-02)

SAMPLE TYPE Water

COMPOSITE YES ☒ NO

COMPOSITE TYPE NA

DEPTH OF SAMPLE NA

WEATHER Breezy, clear, 95°F

CONTAINERS USED	AMOUNT COLLECTED
<u>See Below</u>	

COMMENTS:

Equipment Rinsed of disposable Boiler

pH = 6.58
Cond = 10 μ hos
Temp = 23.9 °C

4 - 40ml glass w/ HCl
2 - 1-liter glass w/ pres.
1 - 1-liter glass w/ HCl
2 - 1-liter glass w/ HNO_3
1 - 500ml poly w/ H_2SO_4

PREPARED BY: J. Tyburski

COMMENTS: (Continued)	<div style="position: absolute; top: 0; right: 0; width: 100px; height: 100px;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">DATE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">TIME</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">PAGE ____ OF ____</td> <td colspan="5"></td> </tr> <tr> <td style="padding: 2px;">PROJECT NO.</td> <td colspan="5"></td> </tr> </table> </div>	DATE						TIME						PAGE ____ OF ____						PROJECT NO.					
DATE																									
TIME																									
PAGE ____ OF ____																									
PROJECT NO.																									

PREPARED BY: _____

LEGEND

- 1 A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
- 2 ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
- 4 DATE USE MONTH/DAY/YEAR. I.E., 10/30/85
- 5 TIME USE 24-HOUR CLOCK. I.E., 1835 FOR 6:35 P.M.
- 6 PAGE EACH SAMPLE TEAM SHOULD NUMBER PAGE ____ OF ____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
- 7 SAMPLE LOCATION USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
- 8 SAMPLE TYPE USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT.
- 9 COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
- 10 DEPTH OF SAMPLE GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE ' OR "
- 11 WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
- 12 CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL).



**INTERNATIONAL
TECHNOLOGY
CORPORATION**

DATE	0	4	0	5	9	1
TIME	See Below					
PAGE	1		OF			
PAGE						
PROJECT NO. 40721. 02.05						

SAMPLE COLLECTION LOG

PROJECT NAME SAY HANSON ANG

SAMPLE NO. See Below

SAMPLE LOCATION Ski House Arv. Base, Phoenix, Az

SAMPLE TYPE WATER

CONTAINERS USED

**AMOUNT
COLLECTED**

COMPOSITE _____ YES _____[✓] NO

COMPOSITE TYPE NA

NA

NA

DEPTH OF SAMPLE NA

WEATHER Sunny, Breezy, Hot

COMMENTS:	Source #	Time	Bottles	Comments
MW2-02-01-TR		0300	4	VOA ⁽¹⁾ , V.ann. G.ann. ⁽²⁾ TRIP Bank
MW3-02-01		1245	7	VOA ⁽¹⁾ , V.ann. G.ann. ⁽²⁾ TPA ⁽¹⁾
				SVOA ⁽¹⁾ TOP
MW3-02-01-Dup		1250	7	Duplicate of MW3-02-01.

PREPARED BY: M. Gardiner
signature by J. Tyburski

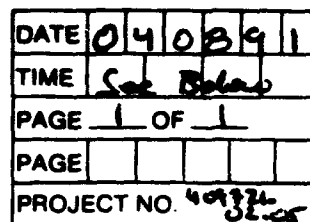
COMMENTS:
(Continued)

DATE					
TIME					
PAGE	____ OF ____				
PAGE					
PROJECT NO.					

PREPARED BY: _____

LEGEND

- 1 A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE
- 2 ALWAYS COMPLETE BOTH SIDES IF SECOND SIDE IS NOT USED. DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY
- 3 ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
- 4 DATE USE MONTH/DAY/YEAR. I.E., 10/30/85
- 5 TIME USE 24-HOUR CLOCK. I.E., 1835 FOR 6 35 P.M.
- 6 PAGE EACH SAMPLE TEAM SHOULD NUMBER PAGE ____ OF ____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC
- 7 SAMPLE LOCATION USE BORING OR MONITORING WELL NUMBER GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY
- 8 SAMPLE TYPE USE THE FOLLOWING - SOIL WATER (SURFACE OR GROUND) AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS OIL, VEGETATION, WIPE SEDIMENT
- 9 COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
- 10 DEPTH OF SAMPLE. GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE "OR"
- 11 WEATHER APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS
- 12 CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ. GLASS JAR)
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL)



PROJECT NAME SKY HORIZON AN6

SAMPLE NO. See Below

SAMPLE LOCATION SKY HORIZON AN6 Base, Phoenix, AZ

SAMPLE TYPE WATER

COMPOSITE YES ✓ NO

COMPOSITE TYPE NA

DEPTH OF SAMPLE NA

WEATHER SUNNY, BREEZY, HOT

CONTAINERS USED	AMOUNT COLLECTED
<u>NA</u>	<u>NA</u>

PREPARED BY: M. L. Hansen

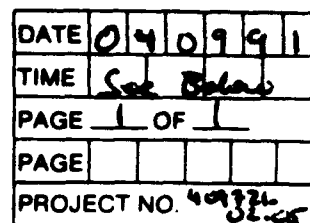
COMMENTS:
(Continued)

DATE					
TIME					
PAGE		OF			
PAGE					
PROJECT NO.					

PREPARED BY: _____

LEGEND

- 1 A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
- 2 ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
- 3 ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
- 4 DATE: USE MONTH/DAY/YEAR: I.E., 10/30/85
- 5 TIME: USE 24-HOUR CLOCK. I.E., 1835 FOR 6:35 P.M.
- 6 PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE _____ OF _____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
- 7 SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
- 8 SAMPLE TYPE: USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT.
- 9 COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
- 10 DEPTH OF SAMPLE: GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE " OR "
- 11 WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
- 12 CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ. GLASS JAR).
- 13 AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL).



PROJECT NAME SKY HARBOR ANG

SAMPLE NO. See Below

SAMPLE LOCATION SKY HARBOR ANG Base, Phoenix, AZ

SAMPLE TYPE WATER

COMPOSITE	CONTAINERS USED	AMOUNT COLLECTED
<u>YES</u> <input type="checkbox"/> <u>NO</u> <input checked="" type="checkbox"/>	<u>NA</u>	<u>NA</u>
COMPOSITE TYPE <u>NA</u>		
DEPTH OF SAMPLE <u>NA</u>		
WEATHER <u>Sunny, Breezy, HOT</u>		

PREPARED BY: M. A. G. H. H.

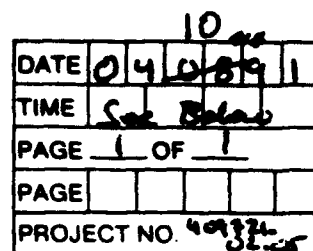
COMMENTS: (Continued)	
---------------------------------	--

DATE				
TIME				
PAGE		OF		
PAGE				
PROJECT NO.				

PREPARED BY: _____

LEGEND

- 1 A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
- 2 ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY
- 3 ALL ENTRIES ON LOG ARE TO BE COMPLETED, IF NOT APPLICABLE MARK N/A
- 4 DATE: USE MONTH/DAY/YEAR: I.E., 10/30/85
- 5 TIME: USE 24-HOUR CLOCK, I.E., 1835 FOR 6:35 P.M.
- 6 PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE _____ OF _____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY, I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC
- 7 SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY
- 8 SAMPLE TYPE: USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT
- 9 COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
- 10 DEPTH OF SAMPLE: GIVE UNITS, WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE " OR "
- 11 WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
- 12 CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ. GLASS JAR)
- 13 AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL).



PROJECT NAME SKY HARBOR ANGL

SAMPLE NO. See Below

SAMPLE LOCATION SKY HARBOR ANGL BAY, PHOENIX, AZ

SAMPLE TYPE WATER

CONTAINERS USED	AMOUNT COLLECTED
<u>NA</u>	<u>NA</u>

COMPOSITE YES ☒ NO

COMPOSITE TYPE NA

DEPTH OF SAMPLE NA

WEATHER SUNNY, BREEZY, HOT (90°)

PREPARED BY: M. A. Babin

COMMENTS: (Continued)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">DATE</td> <td style="width: 20%;"></td> <td style="width: 20%;"></td> <td style="width: 20%;"></td> <td style="width: 20%;"></td> </tr> <tr> <td>TIME</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>PAGE</td> <td></td> <td>OF</td> <td></td> <td></td> </tr> <tr> <td>PAGE</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="5">PROJECT NO.</td> </tr> </table>	DATE					TIME					PAGE		OF			PAGE					PROJECT NO.				
DATE																										
TIME																										
PAGE		OF																								
PAGE																										
PROJECT NO.																										

PREPARED BY: _____

LEGEND

- 1 A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
- 2 ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
- 3 ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
- 4 DATE: USE MONTH/DAY/YEAR; I.E., 10/30/85
- 5 TIME: USE 24-HOUR CLOCK; I.E., 1835 FOR 6:35 P.M.
- 6 PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE _____ OF _____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY, I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
- 7 SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D. OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
- 8 SAMPLE TYPE: USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND); AIR (FILTERS, TUBES, AMBIENT, PERSONNEL); SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT.
- 9 COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
- 10 DEPTH OF SAMPLE: GIVE UNITS, WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE " OR '.
- 11 WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
- 12 CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS; 4 - 40 ML GLASS VIAL; 1 - 400 ML PLASTIC; 1 - 3 INCH STEEL TUBE; 1 - 8 OZ. GLASS JAR).
- 13 AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL).



DATE	041191
TIME	See Below
PAGE	1 OF 1
PAGE	
PROJECT NO.	409326 JL-05

SAMPLE COLLECTION LOG

PROJECT NAME SKY HARBOR ANG

SAMPLE NO. See Below

SAMPLE LOCATION See Harmon ANG Base, Phoenix, AZ

SAMPLE TYPE WATER

COMPOSITE YES ☒ NO

COMPOSITE TYPE NA

DEPTH OF SAMPLE NA

WEATHER Sunny, Breezy, 70°F (18°C)

CONTAINERS USED	AMOUNT COLLECTED
<u>NA</u>	<u>NA</u>

COMMENTS:	Sample #	Time	# Bottles	Comments
	MW5-04-01	1050	7	VOC ^(a) , V. Vol. Comp ^(a) , TPH ^(a) , SVOC ^(a) , TOP ^(a)
	MW3-01-01	1630	7	VOC ^(a) , V. Vol. Comp ^(a) , TPH ^(a) , SVOC ^(a) , TOP ^(a)
	MW3-01-01-TB	0700	4	VOC ^(a) , V. Vol. Comp ^(a) , TPH^(a)
	QC-EA25	1730	7	VOC ^(a) , N. Vol. Comp ^(a) , TPH ^(a) , SVOC ^(a) , TOP ^(a)
Rinse Parameters:				
Temp = 26.8°C				
pH = 5.73				
Conductivity = 10				

PREPARED BY: M. A. Harkin

COMMENTS: (Continued)	
---------------------------------	--

DATE	
TIME	
PAGE	OF
PAGE	
PROJECT NO.	

PREPARED BY: _____

LEGEND

- 1 A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
- 2 ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY
- 3 ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
- 4 DATE USE MONTH/DAY/YEAR. I E., 10/30/85
- 5 TIME USE 24-HOUR CLOCK. I E., 1835 FOR 6:35 P.M.
- 6 PAGE EACH SAMPLE TEAM SHOULD NUMBER PAGE _____ OF _____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
- 7 SAMPLE LOCATION USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY
- 8 SAMPLE TYPE USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT
- 9 COMPOSITE TYPE: I E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
- 10 DEPTH OF SAMPLE GIVE UNITS, WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE ' OR "
- 11 WEATHER APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
- 12 CONTAINERS USED LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ. GLASS JAR).
- 13 AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G. 1/2 FULL).



DATE	041291
TIME	See Below
PAGE	1 OF 1
PAGE	
PROJECT NO.	49924-05

SAMPLE COLLECTION LOG

PROJECT NAME SKY HARBOR ANG
SAMPLE NO. See Below
SAMPLE LOCATION SKY HARBOR ANG Base, Phoenix, AZ
SAMPLE TYPE WATER
COMPOSITE YES ☒ NO
COMPOSITE TYPE NA
DEPTH OF SAMPLE NA
WEATHER Sunny, Breezy, HOT (w/ sun)

CONTAINERS USED	AMOUNT COLLECTED
<u>NA</u>	<u>NA</u>

COMMENTS:	SAMPLE #	TIME	# BOTTLES	COMMENTS
ALW5-02-01		1030	10	VOL ⁽¹⁾ , VOLUME CHANGE ⁽¹⁾ , TPH ⁽¹⁾ , SVOL ⁽¹⁾ , ALTIM ⁽¹⁾ , N ⁽¹⁾ , N ⁽¹⁾ , N ⁽¹⁾ , TOP ⁽¹⁾
QC-ER26		1130	10	VOL ⁽¹⁾ , VOLUME CHANGE ⁽¹⁾ , TPH ⁽¹⁾ , SVOL ⁽¹⁾ , ALTIM ⁽¹⁾ , N ⁽¹⁾ , N ⁽¹⁾ , N ⁽¹⁾ , TOP ⁽¹⁾
RWSTP Parameters:				
PH = 5.47				
COND = 10				
TEMP = 24.7°C				
TURBIDITY = 0.87 NTU/cm				

PREPARED BY: M.A. Hadwin

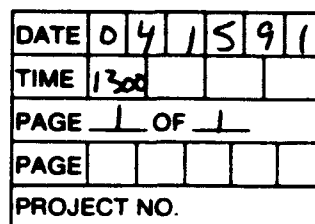
COMMENTS: (Continued)	<div style="border: 1px solid black; width: 100%; height: 100%; position: relative;"> <!-- A large diagonal line is drawn across the grid --> </div>
---------------------------------	--

DATE				
TIME				
PAGE	OF			
PAGE				
PROJECT NO.				

PREPARED BY: _____

LEGEND

- 1 A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
- 2 ALWAYS COMPLETE BOTH SIDES IF SECOND SIDE IS NOT USED. DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY
- 3 ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
- 4 DATE USE MONTH/DAY/YEAR. I.E., 10/30/85
- 5 TIME USE 24-HOUR CLOCK. I.E., 1835 FOR 6 35 P M
- 6 PAGE EACH SAMPLE TEAM SHOULD NUMBER PAGE _____ OF _____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC
- 7 SAMPLE LOCATION USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY
- 8 SAMPLE TYPE USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT
- 9 COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
- 10 DEPTH OF SAMPLE. GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE ' OR "
- 11 WEATHER APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS
- 12 CONTAINERS USED. LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS; 4 - 40 ML GLASS VIAL; 1 - 400 ML PLASTIC; 1 - 3 INCH STEEL TUBE; 1 - 8 OZ. GLASS JAR)
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G. 1/2 FULL)



PROJECT NAME Sky Harbor ANG

SAMPLE NO. See below

SAMPLE LOCATION Sky Harbor ANG Base Phoenix AZ

SAMPLE TYPE Water

COMPOSITE YES ☒ NO

COMPOSITE TYPE NA

DEPTH OF SAMPLE NA

WEATHER Sunny, Breezy 85°F

CONTAINERS USED	AMOUNT COLLECTED
NA	NA

PREPARED BY: Cindee Darr

COMMENTS: (Continued)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">DATE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">TIME</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td colspan="4" style="text-align: center;">____ OF ____</td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">PROJECT NO.</td> <td colspan="4" style="height: 20px;"></td> </tr> </table>	DATE					TIME					PAGE	____ OF ____				PAGE					PROJECT NO.				
DATE																											
TIME																											
PAGE	____ OF ____																										
PAGE																											
PROJECT NO.																											

PREPARED BY: _____

LEGEND

1. A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
2. ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
4. DATE: USE MONTH/DAY/YEAR. I.E., 10/30/85
5. TIME: USE 24-HOUR CLOCK. I.E., 1835 FOR 6 35 P M
6. PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE ____ OF ____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC
7. SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D. OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY
8. SAMPLE TYPE: USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT
9. COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
10. DEPTH OF SAMPLE: GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE " OR "
11. WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS
12. CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ. GLASS JAR)
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL).

COMMENTS: (Continued)	<div style="border: 1px solid black; width: 100%; height: 100%; position: relative;"> <!-- Grid representation --> <div style="position: absolute; top: 0; left: 0; width: 100%; height: 100%; background-image: linear-gradient(to right, transparent 49%, black 49%, black 51%, transparent 51%), linear-gradient(to bottom, transparent 49%, black 49%, black 51%, transparent 51%); background-size: 50px 50px;"></div> <!-- Diagonal line from top-left to bottom-right --> <div style="position: absolute; top: 0; left: 0; width: 100%; height: 100%; border-left: 1px solid black; border-bottom: 1px solid black; transform: rotate(45deg); transform-origin: top left;"></div> </div>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">DATE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">TIME</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td colspan="5" style="text-align: center;">____ OF ____</td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">PROJECT NO.</td> <td colspan="5" style="height: 20px;"></td> </tr> </table>	DATE						TIME						PAGE	____ OF ____					PAGE						PROJECT NO.					
DATE																																
TIME																																
PAGE	____ OF ____																															
PAGE																																
PROJECT NO.																																

PREPARED BY: _____

LEGEND

- 1 A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
- 2 ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
- 3 ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
- 4 DATE: USE MONTH/DAY/YEAR. I.E., 10/30/85
- 5 TIME: USE 24-HOUR CLOCK. I.E., 1835 FOR 6:35 P.M.
- 6 PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE ____ OF ____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
- 7 SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
- 8 SAMPLE TYPE: USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT.
- 9 COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
- 10 DEPTH OF SAMPLE: GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE "OR"
11. WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
12. CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL).



DATE	04	16	91
TIME	See below		
PAGE	1	OF	1
PAGE			
PROJECT NO. 409721			

SAMPLE COLLECTION LOG

PROJECT NAME Sky Harbor

SAMPLE NO. See Below

SAMPLE LOCATION Sky Harbor ANG Base Phoenix AZ

SAMPLE TYPE ground water

COMPOSITE YES ☒ NO

COMPOSITE TYPE NA

DEPTH OF SAMPLE NA

WEATHER overcast, cool 70°F

CONTAINERS USED	AMOUNT COLLECTED

COMMENTS: Sample #	Bottles	Time	Comments
MW4-02-01A	8	1130	VQA ⁽²⁾ Vmax Chloride ⁽²⁾ TPH ⁽¹⁾ Metals ⁽¹⁾ mercury ⁽¹⁾ SWDA ⁽¹⁾
MW5-01-01A	3	1545	metals ⁽¹⁾ Mercury ⁽¹⁾ Nitrate Nitrite ⁽¹⁾
MW5-01-01A- DUP	3	1130 1545	metals, mercury ⁽¹⁾ Nitrate/Nitrite ⁽¹⁾
QC-ER28	3	1630	metals ⁽¹⁾ Mercury ⁽¹⁾ Nitrate/Nitrite ⁽¹⁾
Parameters	PH	Temp	Conductivity
	4.63	32.40C	20 µmhos
Last line ← →			

PREPARED BY: Amie Darr

COMMENTS: (Continued)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">DATE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">TIME</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td style="width: 20px; height: 20px;"></td> <td colspan="3" style="padding: 2px;">OF</td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td colspan="5" style="padding: 2px;">PROJECT NO.</td> </tr> </table>	DATE					TIME					PAGE		OF			PAGE					PROJECT NO.				
DATE																											
TIME																											
PAGE		OF																									
PAGE																											
PROJECT NO.																											

PREPARED BY: _____

LEGEND

- 1 A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
2. ALWAYS COMPLETE BOTH SIDES IF SECOND SIDE IS NOT USED. DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
- 4 DATE: USE MONTH/DAY/YEAR. I.E., 10/30/85
- 5 TIME: USE 24-HOUR CLOCK. I.E., 1835 FOR 6:35 P.M.
- 6 PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE _____ OF _____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC
- 7 SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY
- 8 SAMPLE TYPE: USE THE FOLLOWING - SOIL: WATER (SURFACE OR GROUND); AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL: VEGETATION: WIPE, SEDIMENT
- 9 COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
10. DEPTH OF SAMPLE: GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE "OR"
- 11 WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
- 12 CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME (% CONTAINERS (E.G. 1/2 FULL).



DATE	041791
TIME	See below
PAGE	1 OF 1
PAGE	
PROJECT NO.	409721

SAMPLE COLLECTION LOG

PROJECT NAME Sky Harbor ANG
SAMPLE NO. See below
SAMPLE LOCATION See below
SAMPLE TYPE Water
COMPOSITE YES ☒ NO
COMPOSITE TYPE NA
DEPTH OF SAMPLE NA
WEATHER Sunny Warm getting hot

CONTAINERS USED	AMOUNT COLLECTED
<u>See below</u>	<u>See below</u>
<u>NA</u>	<u>NA</u>

COMMENTS: Sample #	Bottles	Time	Comments
mw3-02-01A	7	1250	VOA ⁽²⁾ TPA ⁽¹⁾ Vinyl Chloride ⁽²⁾ SOD ⁽¹⁾ Tot. Org. Pb ⁽¹⁾
mw3-02-01A-Dup	7	1250	VOA ⁽²⁾ TPA ⁽¹⁾ Vinyl Chloride ⁽²⁾ SOD ⁽¹⁾ Tot. Org. Pb ⁽¹⁾
DC-ER29	7	144530	VOA ⁽²⁾ Vinyl Chloride ⁽²⁾ TPH ⁽⁶⁾ SOD ⁽¹⁾ Tot. Org. Pb ⁽¹⁾
DC Parameters	Time	PH	Temp
	144530	5.45	22.2
LAST LINE			Conductivity 60 Turbidity 0

PREPARED BY: Carlie Darr

COMMENTS: (Continued)	
---------------------------------	--

DATE	<input style="width: 100%;" type="text"/>
TIME	<input style="width: 100%;" type="text"/>
PAGE	<input style="width: 100%;" type="text"/> OF <input style="width: 100%;" type="text"/>
PAGE	<input style="width: 100%;" type="text"/>
PROJECT NO.	

PREPARED BY: _____

LEGEND

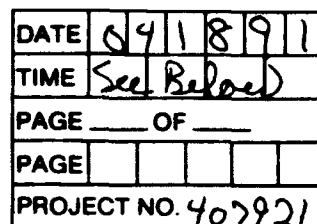
- 1 A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
- 2 ALWAYS COMPLETE BOTH SIDES IF SECOND SIDE IS NOT USED. DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY
- 3 ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
- 4 DATE USE MONTH/DAY/YEAR. I.E. 10/30/85
- 5 TIME USE 24-HOUR CLOCK. I.E. 1835 FOR 6:35 P.M.
- 6 PAGE EACH SAMPLE TEAM SHOULD NUMBER PAGE _____ OF _____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY I.E. IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
- 7 SAMPLE LOCATION USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D. OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY
- 8 SAMPLE TYPE USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND); AIR (FILTERS, TUBES, AMBIENT, PERSONNEL); SLUDGE, DRUM CONTENTS OIL, VEGETATION, WIPE, SEDIMENT
- 9 COMPOSITE TYPE. I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
- 10 DEPTH OF SAMPLE GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET DON'T USE ' OR "
- 11 WEATHER APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
- 12 CONTAINERS USED LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS; 4 - 40 ML GLASS VIAL; 1 - 400 ML PLASTIC; 1 - 3 INCH STEEL TUBE; 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G. 1/2 FULL).

COMMENTS: (Continued)	<div style="position: absolute; top: 0; right: 0; width: 100px; height: 100px; border: 1px solid black; padding: 5px;"> DATE TIME PAGE ____ OF ____ PAGE PROJECT NO. _____ </div>
---------------------------------	--

PREPARED BY: _____

LEGEND

- 1 A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE
- 2 ALWAYS COMPLETE BOTH SIDES IF SECOND SIDE IS NOT USED. DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY
- 3 ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A
- 4 DATE USE MONTH/DAY/YEAR. I.E. 10/30/85
- 5 TIME USE 24-HOUR CLOCK. I.E. 1835 FOR 6 35 P.M.
- 6 PAGE EACH SAMPLE TEAM SHOULD NUMBER PAGE ____ OF ____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E. IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
- 7 SAMPLE LOCATION USE BORING OR MONITORING WELL NUMBER. GRID LOCATION (TRANSECT), SAMPLING STATION I.D. OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY
- 8 SAMPLE TYPE USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT
- 9 COMPOSITE TYPE. I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
- 10 DEPTH OF SAMPLE GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE ' OR "
- 11 WEATHER. APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS
- 12 CONTAINERS USED LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ. GLASS JAR)
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G. 1/2 FULL)



PROJECT NAME	Sky Harbor ANG
SAMPLE NO.	See Below
SAMPLE LOCATION	Sky Harbor ANG Base, Phoenix AZ. SCD
SAMPLE TYPE	Water
COMPOSITE	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
COMPOSITE TYPE	NA
DEPTH OF SAMPLE	SCD NA
WEATHER	Sunny. Cool

CONTAINERS USED	AMOUNT COLLECTED
See Below	See Below

COMMENTS:	Sample #	Bottles	Time	Comments
	MW1-02-01A	6	1020	VOA ⁽²⁾ Vinyl Chloride ⁽¹⁾ TPH ⁽¹⁾ SVOA ⁽¹⁾
OC-ER30 MW1-02-01A - Rinse		6	1130	VOA ⁽²⁾ Vinyl Chloride ⁽¹⁾ TPH ⁽¹⁾ SVOA ⁽¹⁾
Rinse Parameters		Ph	Temp.	Conductivity
		559	22.0	20
				1.89
	MW1-02-01A-TB	4	0800	VOA ⁽²⁾ Vinyl Chloride ⁽¹⁾

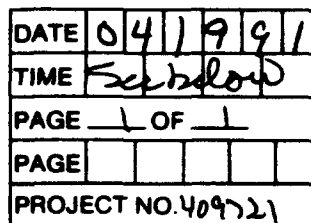
PREPARED BY: Candice Darr

COMMENTS: (Continued)	<div style="border: 1px solid black; width: 100%; height: 100%; position: relative;"> <!-- Grid representation --> <div style="position: absolute; top: 0; left: 0; width: 100%; height: 100%; background-image: linear-gradient(to right, transparent 49%, black 49%, black 51%, transparent 51%), linear-gradient(to bottom, transparent 49%, black 49%, black 51%, transparent 51%); background-size: 50% 50%;"></div> <!-- Diagonal line from top-left to bottom-right --> <div style="position: absolute; top: 0; left: 0; width: 100%; height: 100%; border-left: 1px solid black; border-bottom: 1px solid black; transform: rotate(45deg);"></div> </div>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">DATE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">TIME</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td colspan="4" style="text-align: center;">____ OF ____</td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td colspan="5" style="padding: 2px;">PROJECT NO.</td> </tr> </table>	DATE					TIME					PAGE	____ OF ____				PAGE					PROJECT NO.				
DATE																											
TIME																											
PAGE	____ OF ____																										
PAGE																											
PROJECT NO.																											

PREPARED BY: _____

LEGEND

1. A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
2. ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
4. DATE: USE MONTH/DAY/YEAR: I.E., 10/30/85
5. TIME: USE 24-HOUR CLOCK: I.E., 1835 FOR 6 35 P.M.
6. PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE ____ OF ____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
7. SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
8. SAMPLE TYPE: USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT.
9. COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
10. DEPTH OF SAMPLE: GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE "OR"
11. WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
12. CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL).



PROJECT NAME Sky Harbor AN6

SAMPLE NO. SCD QC-F08

SAMPLE LOCATION Sky Harbor AN6, Base, Phoenix Az.

SAMPLE TYPE Water

COMPOSITE YES ☒ NO

COMPOSITE TYPE NA

DEPTH OF SAMPLE NA

WEATHER Sunny cool

CONTAINERS USED	AMOUNT COLLECTED
<u>Na</u>	<u>Na</u>

COMMENTS:	Sample #	Bottles	Time	Comments
QC-FB8		10	0745	TPH ⁽¹⁾ , NOA ⁽²⁾ , SVOA ⁽²⁾ Vinyl Chloride ⁽²⁾ Metals ⁽¹⁾ , Mercury ⁽¹⁾ Nitrate/Nitrite ⁽¹⁾ , Total Organic Pb ⁽¹⁾
Parameters	pH	Temp	Conductivity	Turbidity
	5.57	22.6	120	0.25
QC-FB8-TB		4	0700	NOA ⁽²⁾ , Vinyl Chloride ⁽²⁾
vet line				

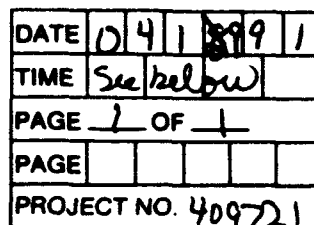
PREPARED BY: Cindie Darr

COMMENTS: (Continued)	<div style="border: 1px solid black; width: 100%; height: 100%; position: relative;"> <!-- Grid representation --> <div style="position: absolute; top: 0; left: 0; width: 100%; height: 100%; background-image: linear-gradient(to right, black 1px, transparent 1px), linear-gradient(to bottom, black 1px, transparent 1px); background-size: 20px 20px;"></div> <!-- Diagonal line from top-left to bottom-right --> <div style="position: absolute; top: 0; left: 0; width: 100%; height: 100%; border-left: 2px solid black; border-bottom: 2px solid black; transform: rotate(45deg);"></div> </div>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">DATE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">TIME</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td colspan="5" style="text-align: center;">OF</td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td colspan="6" style="padding: 2px;">PROJECT NO.</td> </tr> </table>	DATE						TIME						PAGE	OF					PAGE						PROJECT NO.					
DATE																																
TIME																																
PAGE	OF																															
PAGE																																
PROJECT NO.																																

PREPARED BY: _____

LEGEND

1. A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
2. ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
4. DATE: USE MONTH/DAY/YEAR: I.E., 10/30/85
5. TIME: USE 24-HOUR CLOCK, I.E., 1835 FOR 6:35 P.M.
6. PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE _____ OF _____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY, I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24 ETC
7. SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D. OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY
8. SAMPLE TYPE: USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT
9. COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE
10. DEPTH OF SAMPLE: GIVE UNITS, WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE "OR"
11. WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS
12. CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ. GLASS JAR)
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL).



PROJECT NAME Sky Harbor AN6

SAMPLE NO. See Below

SAMPLE LOCATION See Below for tent # Sky Harbor AN6 Base

SAMPLE TYPE Water

CONTAINERS USED	AMOUNT COLLECTED
<u>See below</u>	<u>See below</u>

COMPOSITE YES ☒ NO

COMPOSITE TYPE NA

DEPTH OF SAMPLE NA

WEATHER Sunny Cool

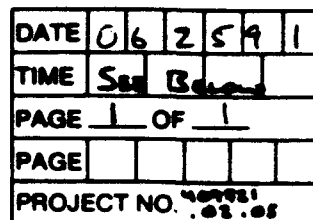
PREPARED BY: Cindee Darr

COMMENTS: (Continued)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">DATE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">TIME</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">PAGE ____ OF ____</td> <td colspan="4"></td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="padding: 2px;">PROJECT NO.</td> <td colspan="4"></td> </tr> </table>	DATE					TIME					PAGE ____ OF ____					PAGE					PROJECT NO.				
DATE																											
TIME																											
PAGE ____ OF ____																											
PAGE																											
PROJECT NO.																											

PREPARED BY: _____

LEGEND

- 1 A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
- 2 ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED, IF NOT APPLICABLE MARK N/A.
- 4 DATE: USE MONTH/DAY/YEAR: I.E., 10/30/85
- 5 TIME: USE 24-HOUR CLOCK: I.E., 1835 FOR 6:35 P.M.
- 6 PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE ____ OF ____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC
- 7 SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
- 8 SAMPLE TYPE: USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS: OIL, VEGETATION: WIPE, SEDIMENT
- 9 COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
- 10 DEPTH OF SAMPLE: GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE " OR ".
- 11 WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
- 12 CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS; 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC; 1 - 3 INCH STEEL TUBE; 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G. 1/2 FULL).



PROJECT NAME SKY HARBOUR ANG

SAMPLE NO. SEE BELOW

SAMPLE LOCATION SKY HARBOUR AIR NATIONAL GUARD BASE, PUEBLO, CO

SAMPLE TYPE WATER

COMPOSITE YES ☒ NO

COMPOSITE TYPE NA

DEPTH OF SAMPLE NA

WEATHER SUNNY, BARELY HOT (20 °F)

CONTAINERS USED	AMOUNT COLLECTED
<u>SEE BELOW</u>	<u>SEE BELOW</u>

PREPARED BY: M. G. Jenkins

COMMENTS:
(Continued)

DATE					
TIME					
PAGE			OF		
PAGE					
PROJECT NO.					

PREPARED BY: M.G. Franklin

LEGEND

- 1 A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
- 2 ALWAYS COMPLETE BOTH SIDES IF SECOND SIDE IS NOT USED. DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
- 3 ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
- 4 DATE USE MONTH/DAY/YEAR: I.E., 10/30/85
- 5 TIME USE 24-HOUR CLOCK: I.E., 1835 FOR 6:35 P.M.
- 6 PAGE EACH SAMPLE TEAM SHOULD NUMBER PAGE _____ OF _____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY: I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
- 7 SAMPLE LOCATION USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
- 8 SAMPLE TYPE USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT.
- 9 COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
- 10 DEPTH OF SAMPLE GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE " OR '.
- 11 WEATHER APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
- 12 CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G. 1/2 FULL).



DATE	062691
TIME	See Below
PAGE	1 OF 1
PAGE	
PROJECT NO.	409921 02.08

SAMPLE COLLECTION LOG

PROJECT NAME SKY HARBOR ANG

SAMPLE NO. See Below

SAMPLE LOCATION SKY HARBOR Air National Guard Base, Phoenix, AZ

SAMPLE TYPE LEADERS

COMPOSITE YES ✓ NO

COMPOSITE TYPE NA

DEPTH OF SAMPLE NA

WEATHER SUNNY, BARELY HOT (9100°F)

CONTAINERS USED	AMOUNT COLLECTED
<u>See Below</u>	<u>See Below</u>

COMMENTS:	Sample #	Time	# Bottles	COMMENTS
	MWS-01-02	1100	3	META ⁽¹⁾ NITROGEN ⁽¹⁾
MS	ML-01-02-02	1115	3	SAME AS ABOVE (MWS-01-02)
	MLW2-02-02	1515	8	NOA ⁽²⁾ VIAL CHANGES ⁽²⁾ TPK ⁽²⁾
		1530		SVDA ⁽²⁾ M. SING ⁽²⁾
	MLW2-02-02-MS	1515	8	SAME AS ABOVE FOR
		1530		MLW2-02-02. MATRY SPIKE
	MLW2-02-02-MSD	1530	8	SAME AS ABOVE FOR
		1530		MLW2-02-02. MATRY SPIKE D.
	MWS-01-02-TB	0900	4	NOA ⁽²⁾ VIAL CHANGES ⁽²⁾
				TRIP BLANK
RESISTANCE PARAMETERS				
PH: 6.44				
TEMPERATURE: 31.6 °C				
CONDUCTIVITY: 10 µmhos/cm				
TURBIDITY: 0.66 NTU				
	MLW2-02-02-TB	0900	4	NOA ⁽²⁾ VIAL CHANGES ⁽²⁾
				TRIP BLANK
← LAST LINE →				

PREPARED BY: M. A. Dandrea

COMMENTS: ((Continued))		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">DATE</td> <td style="width: 20px;"></td> <td style="width: 20px;"></td> <td style="width: 20px;"></td> <td style="width: 20px;"></td> </tr> <tr> <td style="padding: 2px;">TIME</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td></td> <td style="text-align: center;">OF</td> <td></td> <td></td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="5" style="padding: 2px;">PROJECT NO.</td> </tr> </table>	DATE					TIME					PAGE		OF			PAGE					PROJECT NO.				
DATE																											
TIME																											
PAGE		OF																									
PAGE																											
PROJECT NO.																											

PREPARED BY: _____

LEGEND

- 1 A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
- 2 ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
- 3 ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
- 4 DATE: USE MONTH/DAY/YEAR: I.E., 10/30/85
- 5 TIME: USE 24-HOUR CLOCK: I.E., 1835 FOR 6:35 P.M.
- 6 PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE _____ OF _____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
- 7 SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
- 8 SAMPLE TYPE: USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT.
- 9 COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
- 10 DEPTH OF SAMPLE: GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE " OR "
- 11 WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
- 12 CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS; 4 - 40 ML GLASS VIAL; 1 - 400 ML PLASTIC; 1 - 3 INCH STEEL TUBE; 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL).



DATE	06	27	91
TIME	See Below		
PAGE	1	OF	1
PAGE			
PROJECT NO.	40981 02.05		

SAMPLE COLLECTION LOG

PROJECT NAME SKY HARBOR ANG

SAMPLE NO. See Below

SAMPLE LOCATION SKY HARBOR Air National Guard Base, Phoenix, AZ

SAMPLE TYPE Water

COMPOSITE YES ✓ NO

COMPOSITE TYPE NA

DEPTH OF SAMPLE NA

WEATHER Sunny, Breeze, HOT (91.00°F)

CONTAINERS USED	AMOUNT COLLECTED
<u>See Below</u>	<u>See Below</u>

COMMENTS:	Sample #	Time	# Bottles	Comments
	MW4-02-02	1135	8	VOA ⁽¹⁾ , Vint. Chem ⁽¹⁾ , TPA ⁽¹⁾ , SVA ⁽¹⁾ M ⁽¹⁾
	MW4-01-02	1235	4	VOA ⁽¹⁾ , Vint. Chem ⁽¹⁾ , CALIBRATED VOLUMETRIC ANALYSIS, SEMI'S & OTHER CALIBRATED
	QC-ER32	1210	8	TEMPERATURE, VOA ⁽¹⁾ , VINT. SAME AS ABOVE FOR SAMPLE MW4-02-02
RINSE PARAMETERS PH = 5.96 TEMPERATURE = 35.1°C CONDUCTIVITY = 10 µmhos/cm TURBIDITY = 0.20 NTU				
← LAST LINE →				

PREPARED BY: M. A. Boudreau

COMMENTS: (Continued)	
---------------------------------	--

DATE	
TIME	
PAGE	OF
PAGE	
PROJECT NO.	

PREPARED BY: _____

LEGEND

1. A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
2. ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED. IF NOT APPLICABLE MARK N/A.
4. DATE: USE MONTH/DAY/YEAR; I.E., 10/30/85
5. TIME: USE 24-HOUR CLOCK; I.E., 1835 FOR 6:35 P.M.
6. PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE _____ OF _____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY; I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
7. SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
8. SAMPLE TYPE: USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT.
9. COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
10. DEPTH OF SAMPLE: GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE "OR"
11. WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
12. CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL).



DATE	06	27	91
TIME	See Below		
PAGE	1	OF 1	
PAGE			
PROJECT NO.	407921 .02.05		

SAMPLE COLLECTION LOG

PROJECT NAME SKY HARBOR ANG

SAMPLE NO. See Below

SAMPLE LOCATION SKY HARBOR Air National Guard Base, Phoenix, AZ

SAMPLE TYPE WATER

COMPOSITE YES ✓ NO

COMPOSITE TYPE NA

DEPTH OF SAMPLE NA

WEATHER Sunny, Breezy, HOT (95°F)

CONTAINERS USED	AMOUNT COLLECTED
<u>See Below</u>	<u>See Below</u>

COMMENTS:	Sample #	Time	# Bottles	Comments
QC-F39		1730	10	VOA ⁽²⁾ , V.ATL ⁽²⁾ , TPK ⁽¹⁾ , SICK ⁽¹⁾ , TOPI ⁽¹⁾ , M.ATL ⁽²⁾ , N.ATL ⁽²⁾ , N.ATL ⁽²⁾ , 4 * ORIGIN of DI WATER
<u>Parameters</u>				
PH = 5.83				
Temperature = 23.5 °C				
Conductivity = 10 μ mhos/cm				
Turbidity = 0.18 NTU				
← LAST LINE →				

PREPARED BY: M.A. Henderson

COMMENTS:
(Continued)

DATE				
TIME				
PAGE		OF		
PAGE				
PROJECT NO.				

PREPARED BY: _____

LEGEND

1. A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
2. ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED, IF NOT APPLICABLE MARK N/A.
4. DATE: USE MONTH/DAY/YEAR: I.E., 10/30/85
5. TIME: USE 24-HOUR CLOCK: I.E., 1835 FOR 6:35 P.M.
6. PAGE. EACH SAMPLE TEAM SHOULD NUMBER PAGE _____ OF _____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
7. SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
8. SAMPLE TYPE: USE THE FOLLOWING - SOIL; WATER (SURFACE OR GROUND); AIR (FILTERS, TUBES, AMBIENT, PERSONNEL); SLUDGE, DRUM CONTENTS, OIL; VEGETATION; WIPE; SEDIMENT.
9. COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
10. DEPTH OF SAMPLE: GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE " OR "
11. WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
12. CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS, 4 - 40 ML GLASS VIAL, 1 - 400 ML PLASTIC, 1 - 3 INCH STEEL TUBE, 1 - 6 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G., 1/2 FULL).



DATE	06	28	91
TIME	See Below		
PAGE	1	OF	1
PAGE			
PROJECT NO.	40981 02.08		

SAMPLE COLLECTION LOG

PROJECT NAME SKY HARBOUR ANG

SAMPLE NO. See Below

SAMPLE LOCATION SKY HARBOUR Air National Guard Base, Phoenix, AZ

SAMPLE TYPE Water

COMPOSITE YES ✓ NO

COMPOSITE TYPE NA

DEPTH OF SAMPLE NA

WEATHER Sunny, Breeze, Hot (91°F)

CONTAINERS USED	AMOUNT COLLECTED
<u>See Below</u>	<u>See Below</u>

COMMENTS:	Sample #	Time	# Bottles	Comments
	MW4-01-02	0745	4	TPH, SVOA, Metals Residual / Sample Collected Yesterday.
	QC-ER33	1025	8	VOA, Vials Collected, TPH, SVOA, Metals, Residual
	MW4-01-02-TB	0700	4	Residual / MW4-01. VOA, Vials Collected TRIP Blank
RESIDUE Parameters pH = 3.45 ± 0.05 Temperature = 28.4 °C Conductivity = 10 µmhos/cm Turbidity = 0.40 NTU				
	MW5-04-02	1115	7	VOA, Vials Collected, TPH, SO SVOA, TOP, CO
	MW3-02-02	1500	7	Same as above for MW5-04-02
	MW3-02-02-DUP	1515	7	Same as above for MW3-02-02
← LAST LINE →				

PREPARED BY: M. U. Hunkin

COMMENTS:
(Continued)

DATE				
TIME				
PAGE		OF		
PAGE				
PROJECT NO.				

PREPARED BY: _____

LEGEND

1. A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
2. ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED, IF NOT APPLICABLE MARK N/A.
4. DATE: USE MONTH/DAY/YEAR. I.E., 10/30/86
5. TIME: USE 24-HOUR CLOCK. I.E., 1835 FOR 6:35 P.M.
6. PAGE: EACH SAMPLE TEAM SHOULD NUMBER PAGE _____ OF _____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
7. SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
8. SAMPLE TYPE: USE THE FOLLOWING - SOIL: WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL); SLUDGE; DRUM CONTENTS: OIL; VEGETATION: WIPE; SEDIMENT.
9. COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
10. DEPTH OF SAMPLE: GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE ' OR ''.
11. WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
12. CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS; 4 - 40 ML GLASS VIAL; 1 - 400 ML PLASTIC; 1 - 3 INCH STEEL TUBE; 1 - 6 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G. 1/2 FULL).



DATE	06	29	91
TIME	See Below		
PAGE	1	OF	
PAGE			
PROJECT NO.	409931 02.05		

SAMPLE COLLECTION LOG

PROJECT NAME SKY HARBOR ANG

SAMPLE NO. See Below

SAMPLE LOCATION SKY HARBOR Air National Guard Base, Phoenix, AZ

SAMPLE TYPE Water

COMPOSITE YES ✓ NO

COMPOSITE TYPE NA

DEPTH OF SAMPLE NA

WEATHER Sunny, Breezy, Hot (91 °F)

CONTAINERS USED	AMOUNT COLLECTED
<u>See Below</u>	<u>See Below</u>

COMMENTS:	Sample #	Time	# Bottles	COMMENTS
	MWS-03-02-TB	0700	4	VOL ⁽¹⁾ , V. & C. ⁽¹⁾
	MWS-03-02	0830	10	VOL ⁽¹⁾ , V. & C. ⁽¹⁾ , TPH ⁽¹⁾ , SILICA ⁽¹⁾ , ALUMINA ⁽¹⁾ , TOC ⁽¹⁾ , NITRATE/NITRITE ⁽¹⁾
	MWS-02-02	1220	10	Same as above for MWS-03-02
	MWS-02-02-Dup	1240	10	Same as above for MWS-02-02. Duplicate Sample
	MWS-01-02	1655	7	VOL ⁽¹⁾ , V. & C. ⁽¹⁾ , TPH ⁽¹⁾ , SILICA ⁽¹⁾ , TOC ⁽¹⁾
	MWS-01-02-5R34	1715	7	Same as above for MWS-01-02.
Raw Data Parameters pH = 6.40 Temperature = 38.6 °C Conductivity = 10 µmhos/cm Turbidity = 0.31 NTU				

PREPARED BY: _____

COMMENTS: (Continued)		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">DATE</td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> </tr> <tr> <td style="padding: 2px;">TIME</td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td colspan="7" style="text-align: center;">____ OF ____</td> </tr> <tr> <td style="padding: 2px;">PAGE</td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> <td style="width: 10px;"></td> </tr> <tr> <td colspan="8" style="padding: 2px;">PROJECT NO.</td> </tr> </table>	DATE								TIME								PAGE	____ OF ____							PAGE								PROJECT NO.							
DATE																																										
TIME																																										
PAGE	____ OF ____																																									
PAGE																																										
PROJECT NO.																																										

PREPARED BY: _____

LEGEND

- 1 A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
- 2 ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY
- 3 ALL ENTRIES ON LOG ARE TO BE COMPLETED, IF NOT APPLICABLE MARK N/A.
- 4 DATE USE MONTH/DAY/YEAR: I.E., 10/30/85
- 5 TIME USE 24-HOUR CLOCK: I.E., 1835 FOR 6:35 P.M.
- 6 PAGE EACH SAMPLE TEAM SHOULD NUMBER PAGE ____ OF ____ FOR THE DAYS ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
- 7 SAMPLE LOCATION: USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
- 8 SAMPLE TYPE USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND); AIR (FILTERS, TUBES, AMBIENT, PERSONNEL); SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT
- 9 COMPOSITE TYPE: I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
- 10 DEPTH OF SAMPLE. GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE "OR"
- 11 WEATHER: APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
- 12 CONTAINERS USED: LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS; 4 - 40 ML GLASS VIAL; 1 - 400 ML PLASTIC; 1 - 3 INCH STEEL TUBE; 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G. 1/2 FULL).



INTERNATIONAL
TECHNOLOGY
CORPORATION

DATE	06	30	91
TIME	See Below		
PAGE	1 OF 1		
PAGE			
PROJECT NO.	409921 .02.08		

SAMPLE COLLECTION LOG

PROJECT NAME SKY HARBOR ANG

SAMPLE NO. See Below

SAMPLE LOCATION SKY HARBOR Air National Guard Base, Phoenix, AZ

SAMPLE TYPE LEAKAGE

COMPOSITE YES ✓ NO

COMPOSITE TYPE NA

DEPTH OF SAMPLE NA

WEATHER Sunny, Breezy, HOT (91 °F)

CONTAINERS USED	AMOUNT COLLECTED
<u>See Below</u>	<u>See Below</u>

COMMENTS: Sample #	Time	# Bottles	Comments
PS-02-02	1110	2	VOL ⁽¹⁾ , Visc ⁽¹⁾ , TPH ⁽¹⁾
QC-ER35	1130	2	SVOL ⁽¹⁾ , TOL ⁽¹⁾
			Same As Above for PS-2-02
<u>Residue Parameters</u>			
pH = 6.77			
Temperature = 46.9 °C			
Conductivity = 10 μ mhos/cm			
Turbidity = 0.16 NTU			
LAST LINE			

PREPARED BY: M. A. Fisher

COMMENTS:
(Continued)

DATE

TIME

PAGE

OF

PAGE

PROJECT NO.

PREPARED BY: _____

LEGEND

1. A SAMPLE COLLECTION LOG IS TO BE COMPLETED FOR EACH SAMPLE.
2. ALWAYS COMPLETE BOTH SIDES. IF SECOND SIDE IS NOT USED, DRAW A LINE THROUGH IT AND MARK N/A. FILL IN CONTROL BLOCK AND PREPARED BY.
3. ALL ENTRIES ON LOG ARE TO BE COMPLETED, IF NOT APPLICABLE MARK N/A.
4. DATE. USE MONTH/DAY/YEAR. I.E., 10/30/85.
5. TIME. USE 24-HOUR CLOCK. I.E., 1835 FOR 6:35 P.M.
6. PAGE. EACH SAMPLE TEAM SHOULD NUMBER PAGE _____ OF _____ FOR THE DAY'S ACTIVITIES FOR ALL SHEETS PREPARED ON A SINGLE DAY. I.E., IF THERE ARE A TOTAL OF 24 PAGES (INCLUDING FRONT AND BACK) NUMBER 1 OF 24, 2 OF 24, ETC.
7. SAMPLE LOCATION. USE BORING OR MONITORING WELL NUMBER, GRID LOCATION (TRANSECT), SAMPLING STATION I.D., OR COORDINATE TO PHYSICAL FEATURES WITH DISTANCES. INCLUDE SKETCH IN COMMENT SECTION IF NECESSARY.
8. SAMPLE TYPE. USE THE FOLLOWING - SOIL, WATER (SURFACE OR GROUND), AIR (FILTERS, TUBES, AMBIENT, PERSONNEL), SLUDGE, DRUM CONTENTS, OIL, VEGETATION, WIPE, SEDIMENT.
9. COMPOSITE TYPE. I.E., 24-HOUR, LIST SAMPLE NUMBERS IN COMPOSITE, SPATIAL COMPOSITE.
10. DEPTH OF SAMPLE. GIVE UNITS. WRITE OUT UNITS SUCH AS INCHES, FEET. DON'T USE "OR".
11. WEATHER. APPROXIMATE TEMPERATURE, SUN AND MOISTURE CONDITIONS.
12. CONTAINERS USED. LIST EACH CONTAINER TYPE AS NUMBER, VOLUME, MATERIAL (E.G., 2 - 1L GLASS; 4 - 40 ML GLASS VIAL; 1 - 400 ML PLASTIC; 1 - 3 INCH STEEL TUBE; 1 - 8 OZ. GLASS JAR).
13. AMOUNT COLLECTED: VOLUME IN CONTAINERS (E.G. 1/2 FULL).



INTERNATIONAL
TECHNOLOGY
CORPORATION

FIELD ACTIVITY DAILY LOG

DAILY LOG	DATE	07	02	91
	NO.			
	SHEET	1	OF	1

PROJECT NAME <u>Sky Hawk AN6</u>		PROJECT NO. <u>409721.02.08</u>
FIELD ACTIVITY SUBJECT: <u>Permanence Tests and Loads; Continuous Loading, Site Office.</u>		
DESCRIPTION OF DAILY ACTIVITIES AND EVENTS:		
<p>0600: Arrive site, start paperwork. Review Data Logger Manual, Plan Equipment for Slab Tests, Load Ramp.</p> <p>0715: Pick up J. Boyd at Airport.</p> <p>0730: Return to site. Load Ramp. Prep for IDO Tests.</p> <p>0830: Pick up Redox Truck to haul Drums.</p> <p>0930: Back up truck. Mobilize to MWS-01.</p> <p>0945: Set up at MWS-01. Docon Slab. Prep Data Logger.</p> <p>1000: Start Tests.</p> <p>1300: Reported Problems of Logger suggest that affecting the waveform. Could not duplicate 1st test, lost all data in RAM, Extraneous Data Printing even after clearing memory. Return to office, call Steve Stone & Knorrman. Summarize testing, advise rest of today - that is problem.</p> <p>1700: Pick up Drums at THREE wheel site. Return to office.</p> <p>1800: Depart site. Stop.</p>		
VISITORS ON SITE:	CHANGES FROM PLANS AND SPECIFICATIONS, AND OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS.	
<u>NA</u>	<u>NA</u>	
WEATHER CONDITIONS:	IMPORTANT TELEPHONE CALLS:	
<u>Sunny, Light Breeze, very HOT.</u> <u>N 110°F</u>	<u>NA</u>	
IT PERSONNEL ON SITE: <u>Mark Gansing, John Boyd</u>		
SIGNATURE <u>Mark Gansing</u>	DATE: <u>7/2/91</u>	

REV. DATE: MAY 1990

MONITORING WELL PURGING LOG		Sample ID No.: <u>MWS-01-01</u>
Installation: <u>Sky Harbor Airb. Base</u>		Well No.: <u>MWS-01</u>
HAZWRAP Contractor: <u>IT Corporation</u>		Site: <u>Durham, NC</u>
Purge Start: (Date) <u>4/29/91</u> (Time) <u>1010</u>		Project No.: <u>401821.02.05</u>
Purge End: (Date) <u>4/30/91</u> (Time) <u>1300</u>		
Purged by: <u>Gordon, Boyd, Trueman</u>		

Depth Measurement Ref. Point: T.O.C. Well Csg ID: 2" (4) 6" Other: _____Well Hdspace/Odor: ND LNAPL Check (Y/N) ~~DNAPL~~ Check (Y/N)

Equipment Used To Measure Thickness and Sample Free Product (Make, Model, etc)

SOLINIST INTERFACE PROBE Model 121Depth to Top and Bottom of Screen Interval: 50 / 100Depth to LNAPL: ND Depth to DNAPL: _____ Orig. DTW: 73.28 Final DTW: 73.30LNAPL/DNAPL Thickness: ND LNAPL/DNAPL Sample and Volume: NAMeasured Well TD: 49.80(-) Orig. DTW: 26.52 73.28

(-) Wtr Col. Thick.: 26.52 (x) 4" - 0.65 Gals/ft (=) 50.6 Gals/Csg Vol. (x) 1 Csg Vol. (=) 151.8 Total Purge Gals.

2" - 0.16
4" - 0.65
6" - 1.47
8" - 1.91

1
2
3
4
5

Purge Method:

 Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Baller ☐ Tef ☐ Centrifugal Pump ☐
 PVC ☐
Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☒ Other: _____Purging Equipment (Make, Model, etc.) REINIST 1800 Purge Equipment Decon'd? (Y/N)Purge Wtr Containerized? (Y/N) Avge Purge Rate: ~ 2 gpmWeather: Sunny, Breezy, Warm (w 80 °F)

Actual Time	Elapsed Time	Vols. Purged (Gals)	Depth To Wtr (ft)	Depth Of Pump Intake (ft)	Temp (°C)	pH (s.a)	Cond. (umhos/m)	Turbidity (NTa)	Other	Comment
1018	7	10	73	95	23.4	7.98	1190	6.05		
1024		20			22.8	7.15	1180	7.11		
1035		40			23.0	7.16	1190	2.41		
1046		60			22.9	7.14	1180	1.06		
1057		80			23.1	7.20	1180	0.95		
1110		100			22.9	7.15	1180	0.38		
1120		120			22.9	7.25	1170	0.32		
1131		140			22.9	7.30	1190	0.64		
1142		150		95	22.8	7.31	1190	0.65		

* All Depths in Feet Below Ref. Point on Wellhead - generally Top of Casing (TOC)

DTW = Depth To Water LNAPL/DNAPL = Light or Dense Non-Aqueous Phase Liquid

REV. DATE: MAY 1990

MONITORING WELL SAMPLING LOG

Sample ID No.: MWS-01-01WELL NO.: MWS-01Installation: See House Arch. BaseSite: Backyard WellHAZWRAP Contractor: IT ConstructionProject No.: 409321.02.05Sample Start: (Date) 4/3/91 (Time) 12:10 Sample End: (Date) 4/3/91 (Time) 12:55Sampled by: Gardner, Boyd, TruemanOrig. SWL: 73.28 ft BTOC* Final SWL: 73.30 ft BTOCScreen Interval: 50 - 100 ft BTOC

Temp	pH	Cond.	Turbidity
<u>7.08</u>			
<u>23.4</u>	<u>7.11</u>	<u>1180</u>	<u>50.3</u>

Are parameters 20%
of purge values? (Y) N (Except Turbidity)Repurge Y (N)No. repurge volumes: NA

Sampling Method:

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Baller ☒ SS ☐
Tef ☒ Centrifugal Pump ☐
PVC ☐Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other _____

Sampling Equipment (Make, Model, etc.) _____

Sample Equipment Decon'd? (Y) N

If pump or discrete bailer; Depth(s) where pump set: _____ ft BTOC

Weather: Sunny, Breezy, Warm (~ 80 °F)

Lab Analyses: (Circle)

VOA (SVOA) METALS (TPH) PEST/PCBS CATIONS ANIONS TDS
Others: Vinyl Chloride, Nitrate/Nitrite, TOPbMetals: (Circle) Filtered Unfiltered BothField Dups.: Y (N) Referee Dups.: Y (N)

Comments:

Sample collected at 12:55. Filtered metals subsequently

*BTOC = Below Top of Casing (or other measurement reference point)

SWL = Static Water Level

FIGURE 5-6a

REV. DATE: MAY 1991

MONITORING WELL PURGING LOG

Installation: Sky Harbor CoordinatesSample ID No.: MWS-01-01AWELL NO.: MWS-01

Site:

HAZWRAP Contractor: ITCOPProject No.: 4092102.05Purge Start: (Date) 4-15-91 (Time) 1035 Purge End: (Date) 4-15-91 (Time)Purged by: Tyburski/Darr/BoydDepth Measurement Ref. Point*: Top of Casing Well Csg ID: 2" (4) 6" OtherWell Hdspace/Odor: NALNAPL Check (Y/N)

DNAPL Check (Y/N)

Equipment Used To Measure Thickness and Sample Free Product (Make, Model, etc.)

Solinst Interface Probe Model 21Depth to Top and Bottom of Screen Interval: 50' to 100'Depth to LNAPL: NDDepth to DNAPL: NA Orig. DTW: 68.82 Final DTW: Not recordedLNAPL/DNAPL Thickness: NALNAPL/DNAPL Sample and Volume: NA ^{AST} ₄₋₅₋₉₁Measured Well TD: 99.80(-) Orig. DTW: 68.82

(-) Wtr Col. Thick.: 30.98 (x) 30.98 Gals/ft (=) 59.2 Gals/Csg Vol. (x) 3 Csg Vol. (=) 177 Total Purge Gals.

2" - 0.16
4" - 0.65
6" - 1.47
9 3/4" - 1.91

1
2
3
4
5

Purge Method:

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailor ☐ SS ☐ Ter ☐ Centrifugal Pump ☐ PVC ☐Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☒ OtherPurging Equipment (Make, Model, etc.) Bennett Pump 1800 Purge Equipment Decon'd? (Y/N)Purge Wtr Containerized? (Y/N) Avg Purge Rate: 2.5 gpmWeather: hazy, breezy (85°F)

Actual Time	Elapsed Time	Vol. Purged (Gals)	Depth To Wtr (ft)	Depth Of Pump Intake (ft)	Temp (°C)	pH (s.a)	Cond. (umhos/m)	Turbidity (NTa)	Other	Comment
1035		-								
1246		20			23.6	6.80	1240	1.25		
1100		40			23.4	6.65	1240	1.20		
1110		60			23.2	6.65	1230	1.02		
1120		80			23.2	6.67	1240	1.16		
1133		100			23.2	6.70	1240	1.46		
1143		120			23.2	6.65	1240	1.82		
1155		140			23.1	6.91	1240	1.40		Compressor not on
1225		160			23.3	6.87	1260	1.40		
1236		180			23.3	6.89	1240	2.01		

* All Depths in Feet Below Ref. Point on wellhead - generally Top of Casing (TOC)

DTW = Depth To Water LNAPL/DNAPL = Light or Dense Non-Aqueous Phase Liquid

REV. DATE: MAY 19

FIGURE 5-6 b

MONITORING WELL SAMPLING LOG		Sample ID No.:
Installation: <u>Key Basher</u> Coordinates:		WELL NO.: <u>MWS-01-1A</u>
HAZWAP Contractor: <u>JT Corp</u>		Site: <u>ANGL</u>
Sample Start: (Date) <u>4-15-91</u> (Time) <u>1300</u>	Project No.: <u>409721</u>	
Sample End: (Date) <u>4-15-91</u> (Time) <u>1325</u>		
Sampled by: <u>Tyburski/Darr/Boyd</u>		

Orig. SWL: 68.82 ft BTOC* Final SWL: 68.28 ft BTOCScreen Interval: 50 - 100 ft BTOC

Temp	pH	Cond.	Turbidity
<u>23.5</u>	<u>6.85</u>	<u>1250</u>	<u>46</u>

Are parameters 20%
of purge values? (Y) NRepurge Y (N)No. repurge volumes: NA

Sampling Method:

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☒ Baller ☒ SS ☐
 Ter ☐ Centrifugal Pump ☐
 PVC ☐

Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other _____Sampling Equipment (Make, Model, etc.) geopump used for filtering metalsSample Equipment Decon'd? (Y) N

If pump or discrete baller; Depth(s) where pump set: _____ ft BTOC

Weather: Warm, calm (85 °F)

Lab Analyses: (Circle)

(VOA) (SVOA) (METALS) PEST/PCBS (TPH) CATIONS ANIONS TC

Others: _____

Metals: (Circle) (Filtered) Unfiltered BothField Dups: Y (N)Referee Dups: Y (N)

Comments:

Sample MWS-01 at 1300 hrs.

*BTOC = Below Top of Casing (or other measurement reference point)

SWL = Static Water Level

REV. DATE: MAY 1990

MONITORING WELL PURGING LOG		Sample ID No.: <u>MWS-02-02</u>
Installation: <u>SEA Harbor Area Base</u>		WELL NO.: <u>MWS-02</u>
HAZWRAP Contractor: <u>IT Corporation</u>		Site: <u>Deep Ground Water</u>
Purge Start: (Date) <u>4/12/91</u> (Time) <u>0820</u>		Project No.: <u>409721-02.05</u>
Purge End: (Date) <u>4/12/91</u> (Time) <u>1040</u>		
Purged by: <u>GARDIN / BORD / T. J. BORD</u>		

Depth Measurement Ref. Point*: T.O.C. Well Csg ID: 2" ④ 6" Other: _____
 Well Hdspace/Ordr: 70 ft w/ HAN at well head L NAPL Check (Y) N ~~DNAPL~~ Check (Y) N
 Equipment Used To Measure Thickness and Sample Free Product (Make, Model, etc)
SOLINGT INTER FACE PENSE MODEL 121

Depth to Top and Bottom of Screen Interval: 50/100
 Depth to LNAPL: ND Depth to DNAPL: _____ Orig. DTW: 68.20 Final DTW: 68.18
 LNAPL/DNAPL Thickness: ND LNAPL/DNAPL Sample and Volume: NA
 Measured Well TD: 99.98
 (-) Orig. DTW: 68.20

(-) Wtr Col. Thick.: 31.78 (x) 2" - 0.16 Gals/ft (=) 60.7 Gals/Csg Vol. (x) 3 Csg Vol. (=) 182 Total Purge Gals.
4" - 0.65
6" - 1.47
9 3/4" - 1.91

Purge Method:
 Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Baller ☐ SS ☐
 Tef ☐ Centrifugal Pump ☐
 PVC ☐
 Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☒ Other: _____
 Purging Equipment (Make, Model, etc.) BENNETT 1800 Purge Equipment Decon'd? (Y) N

Purge Wtr Containerized? (Y) N Avege Purge Rate: ~ 2 gpm
 Weather: Sunny, Breezy, HOT (°F)

Actual Time	Elapsed Time	Vols. Purged (Gals)	Depth To Wtr (ft)	Depth Of Pump Intake (ft)	Temp (°C)	pH (s.a)	Cond. (umhos/m)	Turbidity (NTa)	Other	Comment
0826	6	10	68.20	95	22.1	6.85	1220	2.36		
0832		20			22.1	6.95	1220	1.86		
0844		40			22.2	6.95	1220	1.12		
0855		60			22.4	6.97	1220	1.20		
0906		80			22.4	7.14	1220	1.02		
0918		100			22.5	7.21	1220	1.06		
0930		120			22.6	7.22	1220	0.98		
0940		140			22.6	7.20	1220	1.07		
0952		160	68.18	95	22.6	7.20	1210	0.96		
1040		167			22.5	7.32	1140	14.20		

* All Depths in Feet Below Ref. Point on Wellhead - generally Top of Casing (TOC)
 DTW = Depth To Water LNAPL/DNAPL = Light or Dense Non-Aqueous Phase Liquid

REV. DATE: MAY 1990

MONITORING WELL SAMPLING LOG		Sample ID No.: <u>MWS-02-01</u>
Installation: <u>FT Corporation Sax Harbor Ark</u>		Well No.: <u>MWS-02</u>
HAZWRAP Contractor: <u>FT Corporation</u>		Site: <u>Barrenburg Well</u>
Sample Start: (Date) <u>4/12/91</u> (Time) <u>1015</u>		Project No.: <u>409821-02-05</u>
Sample End: (Date) <u>4/12/91</u> (Time) <u>1040</u>		
Sampled by: <u>Goodman / Bond / H. J. ...</u>		

Orig. SWL: 68.20 ft BTOC* Final SWL: 68.18 ft BTOC
 Screen Interval: 50 - 100 ft BTOC

Temp	pH	Cond.	Turbidity
22.5	7.32	1140	14.50

Are parameters 20%
 of purge values? Y/N Except Turbidity

Repurge Y/N

No. repurge volumes: NA

Sampling Method:

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Baller ☒ ^{SS} Ter ☐ ^{PVC} Centrifugal Pump ☐

Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other

Sampling Equipment (Make, Model, etc.)

Sample Equipment Decon'd? Y/N

If pump or discrete baller; Depth(s) where pump set: ft BTOC

Weather: Sunny, Breezy, HOT WARM (85 °F)

Lab Analyses: (Circle)

VOA SVOA METALS PEST/PCBS TPH CATIONS ANIONS TDS

Others: Vanillin Chloride, Nitrate / Nitrite, TO ? b

Metals: (Circle) Filtered Unfiltered Both

Field Dups: Y/N Referee Dups: Y/N

Comments:

ST 4-16-91
Sample MWS-02-01 AT 1030 HOURS & Duplicate MWS-02-01-Dup
AT 1130 HOURS.

*BTOC = Below Top of Casing (or other measurement reference point)
 SWL = Static Water Level

REV. DATE: MAY 1990

MONITORING WELL PURGING LOG		Sample ID No.: <u>MWS-03-01</u>
Installation:		Well No.: <u>MWS-03</u>
HAZWRAP Contractor: <u>IT Corporation</u>		Site: <u>Backgound</u>
Purge Start: (Date) <u>4/5/91</u> (Time) <u>1435</u>	Purge End: (Date) <u>4/5/91</u> (Time) <u>1616</u>	Project No.: <u>409721.02.05</u>
Purged by: <u>Gardiner / Boyd / Tyburki</u>		

Depth Measurement Ref. Point*: T.O.C. Well Csg ID: 2" (4) 6" Other _____
 Well HdSPACE/Odor: ND LNAPL Check (Y/N) _____ DNAPL Check (Y/N) _____
 Equipment Used To Measure Thickness and Sample Free Product (Make, Model, etc) _____

Depth to LNAPL: ND Depth to Top and Bottom of Screen Interval: 50/100
 Depth to DNAPL: _____ Orig. DTW: 71.75 Final DTW: 71.41
 LNAPL/DNAPL Thickness: ND LNAPL/DNAPL Sample and Volume: NA
 Measured Well TD: 91.80
 (-) Orig. DTW: 71.75

(-) Wtr Col. Thick: 28.05 (x) 2" - 0.16 Gals/ft (=) 5358 Gals/Csg Vol. (x) 3 Csg Vol. (=) 160.73 Total Purge Gals.
4" - 0.65
6" - 1.47
9 3/4" - 1.91

Purge Method:
 Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailor ☐ Tef ☐ Centrifugal Pump ☐
 PVC ☐
 Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☒ Other _____
 Purging Equipment (Make, Model, etc.) Bennett 1800 Purge Equipment Decon'd? Y/N

Purge Wtr Containerized? (Y) N Avg Purge Rate: 2 gpm
 Weather: Sunny, Breezy, Hot (41.2 °F)
1455

Actual Time	Elapsed Time	Vol. Purged (Gals)	Depth To Wtr (ft)	Depth Of Pump Intake (ft)	Temp (°C)	pH (s.a)	Cond. (umhos/m)	Turbidity (NTU)	Other	Comment
1459	4	10	71.75	95	23.1	7.06	1490	1.71		
1508		20			23.0	7.04	1510	1.05		
1516		40			23.1	7.02	1490	0.94		
1522		60			23.1	7.03	1480	0.94		
1538		80			23.0	7.01	1490	0.81		
1550		100			23.1	7.02	1490	0.99		
1600		120			23.0	7.06	1510	1.23		
1610		140		N	23.0	7.05	1490	0.71		
1616		150	71.41	95	22.9	7.04	1500	1.20		

* All Depths in Feet Below Ref. Point on Wellhead - generally Top of Casing (TOC)
 DTW = Depth To Water LNAPL/DNAPL = Light or Dense Non-Aqueous Phase Liquid

REV. DATE: MAY 1990

MONITORING WELL SAMPLING LOG

Installation: <u>SW HAZWOP ARK</u>	Sample ID No.: <u>MWS-03-01</u>
HAZWRAP Contractor: <u>IT Corporation</u>	WELL NO.: <u>MWS-03</u>
Sample Start: (Date) <u>4/5/91</u> (Time) <u>1645</u>	Site: <u>Bachman Well</u>
Sample End: (Date) <u>4/5/91</u> (Time)	Project No.:
Sampled by: <u>Garrison/Treadan/BRO</u>	

Orig. SWL: 71.75 ft BTOC* Final SWL: 71.41 ft BTOC
 Screen Interval: 50 - 100 ft BTOC

Temp	pH	Cond.	Turbidity
23.0	6.87	1410	130.1

Are parameters 20%
 of purge values? (Y) N Excess Turbidity

Repurge Y/(N)

No. repurge volumes: NA

Sampling Method:

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Baller ☒ SS ☐
 Ter ☒ Centrifugal Pump ☐
 PVC ☐
 Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other _____
 Sampling Equipment (Make, Model, etc.) _____

Sample Equipment Decon'd? (Y) N

If pump or discrete bailer; Depth(s) where pump set: _____ ft. BTOC

Weather: Sunny, Breezy, HOT (95 °F)

Lab Analyses: (Circle)

(VOA) (SVOA) (METALS) PEST/PCBS (TPH) CATIONS ANIONS TDS
 Others: NITRATE/NITRATE, VINYLCHLORIDE, TO Ph

Metals: (Circle) (Filtered) Unfiltered Both

Field Dups: Y/(N) Referee Dups: Y/(N)

Comments:

Sample MWS-03-01 ; 1645

*BTOC = Below Top of Casing (or other measurement reference point)
 SWL = Static Water Level

REV. DATE: MAY 1990

MONITORING WELL PURGING LOG

Sample ID No.: MWS-03-01A

Installation: See HAZMAT A-26

WELL NO.: MWS-03

Site: Backstop well

HAZWRAP Contractor: IT Corporation

Project No.: 409721-02.05

Purge Start: (Date) 4/10/91 (Time) 1430 Purge End: (Date) 4/10/91 (Time) 1705

Purged by: Gordon / Boto / TV3

Depth Measurement Ref. Point: T.O.C. Well Csg ID: 2" (4) 6" Other:

Well Hdspace/odor: L NAPL Check (Y/N) DNAPL Check (Y/N)

Equipment Used To Measure Thickness and Sample Free Product (Make, Model, etc)

SOLNET INTERFACE PROBE Model 121

Depth to Top and Bottom of Screen Interval 50/100

Depth to LNAPL: ND

Depth to DNAPL: Orig. DTW: 69.82 Final DTW: 69.74

LNAPL/DNAPL Thickness ND LNAPL/DNAPL Sample and Volume: NA

Measured Well TD: 99.80

(-) Orig. DTW: 69.82

(-) Wtr Col. Thick: 29.98 (x) 2" - 0.16 4" - 0.65 6" - 1.47 9 3/4" - 1.91 Gals/ft (-) 57.3 Gals/Csg Vol. (x) 3 Csg Vol. (-) 171.8 Total Purge Gals.

Purge Method:

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailor ☐ SS ☐ Tef ☐ Centrifugal Pump ☐ PVC ☐

Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☒ Other:

Purging Equipment (Make, Model, etc.) Bennett 1800 Purge Equipment Decon'd? (N)

Purge Wtr Containerized? (Y/N) Avg Purge Rate: ~ 1 1/2 gpm

Weather: Sunny, Hot, 2/23/91 (90 OF)

Actual Time	Elapsed Time	Volts Purged (Gals)	Depth To Wtr (ft)	Depth Of Pump Intake (ft)	Temp (°C)	pH (s.a)	Cond. (umhos/m)	Turbidity (NTU)	Other	Comment
1436	6	10	69.82	95	23.1	6.96	1340	2.64		
1442		20			22.9	7.02	1340	2.29		
1457		40			22.9	7.00	1350	2.06		
1520		60			22.9	6.97	1350	1.59		
1525		80			22.9	7.01	1350	1.51		
1539		100			22.8	6.98	1340	1.37		
1554		120			22.8	6.97	1360	1.35		
1607		140			22.6	7.00	1340	1.73		
1621		160			22.6	7.01	1350	1.40		
1705		167	69.74	95	22.5	6.94	1280	16.60		

* All Depths in Feet Below Ref. Point on Wellhead - generally Top of Casing (TOC)

DTW = Depth To Water LNAPL/DNAPL = Light or Dense Non-Aqueous Phase Liquid

REV. DATE: MAY 1990

MONITORING WELL SAMPLING LOG

Installation: <u>IT Sur Monitor ANJ6</u>	Sample ID No.: <u>MWS-03-01A</u>
HAZWRAP Contractor: <u>IT Corporation</u>	WELL NO.: <u>MWS-03</u>
Sample Start: (Date) <u>4/10/91</u> (Time) <u>1645</u>	Site: <u>Base camp well</u>
Sample End: (Date) <u>4/10/91</u> (Time) <u>1905</u>	Project No.: <u>409221.02.06</u>
Sampled by: <u>Gordon / Bond / T. J. Smith</u>	

Orig. SWL: 69.82 ft BTOC* Final SWL: 69.74 ft BTOC
 Screen Interval: 50 - 100 ft BTOC

Temp	pH	Cond.	Turbidity
22.5	6.94	1280	16.60

Are parameters 20%
 of purge values? ☒ Y ☐ N (Except Turbidity)

Repurge ☒ Y ☐ N

No. repurge volumes: NA

Sampling Method:

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Baller ☒ SS ☐
 Tef ☒ Centrifugal Pump ☐
 PVC ☐

Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other

Sampling Equipment (Make, Model, etc.) 1 1/2" Teflon Baller

Sample Equipment Decon'd? ☒ Y ☐ N

If pump or discrete baller; Depth(s) where pump set: ft BTOC

Weather: Sunny, Breezy, HOT (74.5 °F)

Lab Analyses: (Circle)

☒ VOA ☒ SVOA ☒ METALS ☐ PEST/PCBS ☒ TPH ☐ CATIONS ☐ ANIONS ☐ TDS
 Others: VOLTA CHLORIDE, NITRATE/NITRITE, TOPB

Metals: (Circle) ☒ Filtered ☐ Unfiltered ☐ Both

Field Dups: ☒ Y ☐ N Referee Dups: ☒ Y ☐ N

Comments:

SAMPLES COLLECTED AT 1700 HOURS, MWS-03-01A (THIS IS
A RIGID SAMPLE OF MWS-03-01A)
KINOSTONE QC-ER24 COLLECTED AT THIS WELL AT 1715 HOURS

*BTOC = Below Top of Casing (or other measurement reference point)
 SWL = Static Water Level

REV. DATE: MAY 1990

MONITORING WELL PURGING LOG		Sample ID No.: <u>MWS-04-01</u>
Installation: <u>Six Holes Ark</u>		Well No.: <u>MWS-04</u>
HAZWRAP Contractor: <u>IT Corporation</u>		Site: <u>Brockton Mass</u>
Purge Start: (Date) <u>4/11/91</u> (Time) <u>0845</u>		Project No.: <u>407421.0205</u>
Purge End: (Date) <u>4/11/91</u> (Time) <u>1055</u>		
Purged by: <u>Berman / BMD / T. Bueh</u>		

Depth Measurement Ref. Point: T.O.C. Well Csg ID: 2" (4) 6" Other _____
 Well Hdspace/Odor: Yes/40 ppm of H₂S L NAPL Check (Y/N) DNAPL Check (Y/N) DNAPL
 Equipment Used To Measure Thickness and Sample Free Product (Make, Model, etc)
Sonnet Lateral Probe Model 121

Depth to Top and Bottom of Screen Interval 50/100
 Depth to LNAPL: ND Depth to DNAPL: _____ Orig. DTW: 71.05 Final DTW: 71.02
 LNAPL/DNAPL Thickness ND LNAPL/DNAPL Sample and Volume: NA
 Measured Well TD: 99.82
 (-) Orig. DTW: 71.05

(-) Wtr Col. Thick: 28.77 (x) 4" - 0.65 Gals/ft (=) 54.95 Gals/Csg Vol. (x) 3 Csg Vol. (=) 164.8 Total Purge Gals.
2" - 0.16
6" - 1.47
9 1/2" - 1.91

Purge Method:
 Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Baller ☐ Tef ☐ Centrifugal Pump ☐
 PVC ☐
 Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☒ Other _____
 Purging Equipment (Make, Model, etc.) Bennett 1800 Purge Equipment Decon'd? (Y/N)

Purge Wtr Containerized? (Y/N) Avg Purge Rate: ~ 2 gpm
 Weather: Sunny, Breezy, Hot Warm (80 °F)
0845

Actual Time	Elapsed Time	Vois. Purged (Gals)	Depth To Wtr (ft)	Depth Of Pump Intake (ft)	Temp (°C)	pH (s.a)	Cond. (umhos/cm)	Turbidity (NTa)	Other	Comment
0850	5	10	71.05	95	22.0	6.98	1250	4.63		
0855		20			21.9	7.02	1250	2.15		
0907		40			22.1	7.05	1250	1.96		
0913		60			22.1	7.14	1250	1.91		
0928		80			22.3	7.13	1240	1.97		
0939		100			22.2	7.14	1250	1.79		
0950		120			22.3	7.14	1250	1.81		
1001		140		✓	22.5	7.16	1250	1.56		
1013		150	71.02	95	22.5	7.15	1250	1.63		
1050		160			22.9	7.03	1190	3.51		

* All Depths in Feet Below Ref. Point on Wellhead - generally Top of Casing (TOC)
 DTW = Depth To Water LNAPL/DNAPL = Light or Dense Non-Aqueous Phase Liquid

•

MONITORING WELL SAMPLING LOG		Sample ID No.: <u>MW5-04-01</u>
Installation: <u>Spr. Monitor Area</u>		WELL NO.: <u>MW5-04</u>
HAZWOP Contractor: <u>IT Construction</u>		Site: <u>Base Camp Well</u>
Sample Start: (Date) <u>4/11/91</u> (Time) <u>1030</u>		Project No.: <u>4079710205</u>
Sample End: (Date) <u>4/11/91</u> (Time) <u>1055</u>		
Sampled by: <u>Gardner / Banz / T. J. ...</u>		

Orig. SWL: 71.05 ft BTOC* Final SWL: 71.02 ft BTOC
Screen Interval: 50 - 100 ft BTOC

Temp	pH	Cond.	Turbidity
22.9	7.03	1190	35.1

Are parameters 20%
of purge values? \odot / η EROPT TURB. D. T.

Repurge Y / ~~N~~

No. repurge volumes: NA

Sampling Method

~~Submersible Pump~~ ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Baller ☒ Tef ☒ Centrifugal Pump ☐
PVC

Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other _____

Sampling Equipment (Make, Model, etc.) 14' Tollen Bailer

Sample Equipment Decon'd? ☒ Y ☐ N

If pump or discrete bailer: Depth(s) where pump set: _____ ft. BTOC

Weather: Sunny, Breezy, 100 F (80 °F)

Lab Analyses: (Circle)

VOA SVOA METALS PEST/PCBS TPH CATIONS ANIONS TDS
Others Vinyl Compounds

Metals: (Circle) Filtered Unfiltered Both

Field Dups.: Y / (N) Referee Dups.: Y / (N)

Comments:

Sample MWS-04-01 TAGS #1050 Hones

*BTOC = Below Top of Casing (or other measurement reference point)
SWL = Static Water Level

REV. DATE: MAY 1990

MONITORING WELL PURGING LOG		Sample ID No: <u>PS-2-01</u>
Installation: <u>Sky Harbor Air 6</u>		Well No.: <u>PS-2</u>
HAZWRAP Contractor: <u>IT Corporation</u>		Site: <u>Buckingham P. 30000000</u>
Purge Start: (Date) <u>4/9/91</u> (Time) <u>0755</u>	Purge End: (Date) <u>4/9/91</u> (Time) <u>1205</u>	Project No.: <u>409721.02.05</u>
Purged by: <u>Gardner / Bantz / T. B. Baker</u>		

Depth Measurement Ref. Point*: T.O.C. Well Csg ID: ② 4' 6" Other: _____
 Well Hdspace/ODor: 80 ft. 200 mm diameter 50 ft. 200 mm normal NAPL Check (Y/N) DNAPL Check (Y/N)
 Equipment Used To Measure Thickness and Sample Free Product (Make, Model, etc.)
SOLINST INTERFACE PABSE Model 124

Depth to Top and Bottom of Screen Interval SD-100
 Depth to LNAPL: ND Depth to DNAPL: _____ Orig. DTW: 72.92 Final DTW: NA
 LNAPL/DNAPL Thickness ND LNAPL/DNAPL Sample and Volume: NA
 Measured Well TD: 100.00
 (-) Orig. DTW: 72.92

(-) Wtr Col. Thick: 27.08 (x) 2" - 0.16 4" - 0.65 6" - 1.47 9" - 1.91 Gals/ft (=) 51.72 Gals/Csg Vol. (x) 3 Csg Vol. (=) 51.72 Total Purge Gals.
 ①
2
4
5

Purge Method:
 Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Baller ☒ SS ☐
 Tef ☐ Centrifugal Pump ☐
 PVC ☒
 Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other _____
 Purging Equipment (Make, Model, etc.) 1 1/2" PVC BALLER Purge Equipment Decon'd? (Y/N)

Purge Wtr Containerized? (Y/N) Avg Purge Rate: _____ gpm
 Weather: Sunny, Breezy, HOT (485 °F)
0755

Actual Time	Elapsed Time	Vol. Purged (Gals)	Depth To Wtr (ft)	Depth Of Pump Intake (ft)	Temp (°C)	pH (s.a)	Cond. (µmhos/cm)	Turbidity (NTa)	Other	Comment
0818		5	72.92	NA	21.6	6.96	1330	7200		
0842		10			21.6	7.06	1330	7200		
0900		15			21.6	7.04	1330	7200		
0920		20			21.8	7.07	1330	7200		
1000		30			21.8	7.02	1320	7200		
1041		40			21.9	7.03	1330	7200		
1120		50			21.9	7.07	1330	7200		
1140		55			22.0	7.13	1320	112.1		
1145		56			21.8	7.10	1320	111.1		
1210		57	NA	✓	22.2	7.11	1320	31.0		

* All Depths in Feet Below Ref. Point on Wellhead - generally Top of Casing (TOC)
 DTW = Depth To Water LNAPL/DNAPL = Light or Dense Non-Aqueous Phase Liquid

REV. DATE: MAY 1990

MONITORING WELL SAMPLING LOG

Sample ID No: PS-2-01
 WELL NO.: PS-2
 Installation: Sax House Ark Site: 4099- Bismarck Pk
 HAZWRAP Contractor: IT Construction Project No.: 409921-02.05
 Sample Start: (Date) 9/9/91 (Time) 1200 Sample End: (Date) 9/9/91 (Time) 1200
 Sampled by: Gmoir / Bond / Trueman

Orig. SWL: 92.92 ft BTOC* Final SWL: _____ ft BTOC
 Screen Interval: 50 - 100 ft BTOC

Temp	pH	Cond.	Turbidity
22.2	7.1	1320	31.0

Are parameters 20% of purge values? (Y)N Except Turbidity

Repurge (Y)N

No. repurge volumes: NA

Sampling Method:

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailor ☒ SS Ter ☒ Centrifugal Pump ☐
 PVC ☐

Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other _____

Sampling Equipment (Make, Model, etc.) Disposable 1" Teflon Bailor

Sample Equipment Decon'd? (Y)N

If pump or discrete bailer; Depth(s) where pump set: _____ ft BTOC

Weather: Sunny, Breezy, Hot (90 °F)

Lab Analyses: (Circle)

(VOA) (SVOA) METALS PEST/PCBS (TPH) CATIONS ANIONS TDS

Others: Vinyl Chloride, TOPL6

Metals: (Circle) Filtered Unfiltered Both

Field Dups: (Y)N Referee Dups: (Y)N

Comments:

Sample PS-2-01 TAKEN AT 1200 HOURS
EQUIP. REVERSE DL-ER 23 TAKEN AT 1200 HOURS

*BTOC = Below Top of Casing (or other measurement reference point)
 SWL = Static Water Level

REV. DATE: MAY 1990

MONITORING WELL PURGING LOG

Sample ID No.: MW1-02-01

WELL NO.: MW1-02

Installation: Sky Harbor Air Base

Site: 1

HAZWRAP Contractor: J Corporation

Project No.: 90721.02.05

Purge Start: (Date) 4/2/91 (Time) 1105

Purge End: (Date) 4/2/91 (Time) 1340

Purged by: Gordon Boyd, Tyzinski

Depth Measurement Ref. Point: T.O.C. Well Csg ID: 2" ④ 6" Other: NA

Well Hdspace/Odor: ND LNAPL Check (Y) N DNAPL Check (Y) N

Equipment Used To Measure Thickness and Sample Free Product (Make, Model, etc)

SOLINST INTERFACE PROBE Model 121

Depth to LNAPL: ND

Depth to Top and Bottom of Screen Interval: TOP = 50, Bottom =

Depth to DNPL: ND Orig. DTW: 75.39 Final DTW: 77.60

LNAPL/DNAPL Thickness: ND LNAPL/DNAPL Sample and Volume: ND

Measured Well TD: 99.33

(-) Orig. DTW: 23.94 76.39

(-) Wtr Col. Thick: 23.94 (x) 2" - 0.16 4" - 0.65 6" - 1.47 9 3/4" - 1.91

Gals/ft (=) 45.73 Gals/Csg Vol. (x) ④ Csg Vol. (=) 137.18 Total Purge Gals.

Purge Method:

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Baller ☐ Tef ☐ Centrifugal Pump ☐SS
Tef
PVCPeristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☒ Other: _____

Purging Equipment (Make, Model, etc.) BENNETT 1800 Purge Equipment Decon'd? (Y) N

Purge Wtr Containerized? (Y) N Avg Purge Rate: ~ 2 gpm

Weather: Sunny, Breezy, 1200pm (~ 80 °F)

Actual Time	Elapsed Time	Volts Purged (Gals)	Depth To Wtr (ft)	Depth Of Pump Intake (ft)	Temp (°C)	pH (s.a)	Cond. (umhos/m)	Turbidity (NTa)	Other	Comment
1110	5	10		95 ft	23.1	6.95	1110	6.2		
1117		20			23.0	7.00	1110	2.3		
1123		30			23.3	7.06	1100	1.2		
1125		50			24.0	7.04	1120	0.31		
1147		70			23.2	7.05	1120	1.21		
1159		90			22.9	7.07	1130	0.05		
1213		110			23.3	7.01	1080	0.06		
1225		130		✓	23.0	7.01	1120	0.41		
1234		150	77.60	95 ft	23.1	7.02	1130	0.43		

* All Depths in Feet Below Ref. Point on Wellhead - generally Top of Casing (TOC)

DTW = Depth To Water LNAPL/DNAPL = Light or Dense Non-Aqueous Phase Liquid

REV. DATE: MAY 1990

MONITORING WELL SAMPLING LOG		Sample ID No.: MWJ1-02-01
Installation: Sky Harbor AN6 Base		WELL NO.: MWJ1-02
HAZWRAP Contractor: IT Corporation		Site: 1
Sample Start: (Date) 9/2/91 (Time) 1300		Project No.: 409921-02.05
Sample End: (Date) 9/2/91 (Time) 1340		
Sampled by: Graham, BORD, Trawick		

Orig. SWL: 75.39 ft BTOC* Final SWL: 77.60 ft BTOC
 Screen Interval: 50 - 100 ft BTOC

Temp	pH	Cond.	Turbidity
23.4	7.04	1120	64

Are parameters 20%

of purge values? (Y) N *Correct Turbidity**(Stream around well)*

Repurge Y (N)

No. repurge volumes: NA

Sampling Method:

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailer ☒ SS ☐
 Ter ☒ Centrifugal Pump ☐
 PVC ☐

Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other Sampling Equipment (Make, Model, etc.) 1 1/2" Termination Bore

Sample Equipment Decon'd? (Y) N

If pump or discrete bailer; Depth(s) where pump set: ft BTOCWeather: Sunny, Breezy, Warm (W 80 °F)

Lab Analyses: (Circle)

VOA ☒ SVOA ☒ METALS ☐ PEST/PCBS ☒ TDS ☐ CATIONS ☐ ANIONS ☐Others: Vinyl ChlorideMetals: (Circle) Filtered Unfiltered Both

Field Dups.: Y (N)

Referee Dups.: Y (N)

Comments:

All samples collected at 1335. Collected an Equipment Purge
at this well.

*BTOC = Below Top of Casing (or other measurement reference point)
 SWL = Static Water Level

REV. DATE: MAY 1990

MONITORING WELL PURGING LOG

Installation: Sky Harbor ANGHAZWRAP Contractor: I.T. CorpPurge Start: (Date) 4-18-91 (Time) 0810Purged by: John Beryl / Linda DarnSample ID No.: MW1-02-D1AWELL NO.: MW1-02Site: 1Project No.: 409521Purge End: (Date) 4-18-91 (Time) 1000Depth Measurement Ref. Point*: TOC Well Csg ID: 2" (4) 6" Other: _____Well Hdspace/Odor: ND LNAPL Check (Y/N) (Y) DNAPL Check (Y/N) (Y)

Equipment Used To Measure Thickness and Sample Free Product (Make, Model, etc.)

Solinst Inductance Probe Model 121Depth to Top and Bottom of Screen Interval: 50/100Depth to LNAPL: NDDepth to DNAPL: NA Orig. DTW: 71.25 Final DTW: 71.19LNAPL/DNAPL Thickness: NDLNAPL/DNAPL Sample and Volume: NAMeasured Well TD: 99.33(-) Orig. DTW: 71.25

(-) Wtr Col. Thick: 28.08 (x) 28.08 Gals/ft (=) 53.6 Gals/Csg Vol. (x) 3 Csg Vol. (=) 162 Total Purge Gals.

2" - 0.16
4" - 0.65
6" - 1.47
8" - 1.91

Purge Method:

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Baller ☐ Tef ☐ Centrifugal Pump ☐
PVC ☐

Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☒ Other: _____Purging Equipment (Make, Model, etc.) Bennet Pump 1800 Purge Equipment Decon'd? (Y) NPurge Wtr Containerized? (Y/N) _____ Avg Purge Rate: 116 gpmWeather: Sunny, Cool (75°F)

Actual Time	Elapsed Time	Vol. Purged (Gals)	Depth To Wtr (ft)	Depth Of Pump Intake (ft)	Temp (°C)	pH (s.a)	Cond. (umhos/cm)	Turbidity (NTa)	Other	Comment
0810										
0824		20			22.7	6.98	1110	228		
0839		40			22.9	6.92	1120	92		
0850		60			23.2	7.03	950	43		
0901		80			23.6	6.95	1140	36		
0914		100			23.6	6.96	980	50		
0939		120			23.6	6.94	1150	20		
0940		140			23.7	7.01	1070	39		
0953		161			23.4	6.94	1070	26		

* All Depths in Feet Below Ref. Point on Wellhead - generally Top of Casing (TOC)

DTW = Depth To Water LNAPL/DNAPL = Light or Dense Non-Aqueous Phase Liquid

REV. DATE: MAY 1990

MONITORING WELL SAMPLING LOG

Sample ID No: MWI-02-01A
 WELL NO: MWI-02
 Installation: SKV Harbor H06
 Site: 1
 HAZWRAP Contractor: J.T. Corp
 Project No: 409721
 Sample Start: (Date) 4-18-91 (Time) 10:20 Sample End: (Date) 4-18-91 (Time) 11:40
 Sampled by: John Boyd / Linda DVM

Orig. SWL: 71.25 ft BTOC* Final SWL: 71.9 ft BTOC
 Screen Interval: 50 - 100 ft BTOC

Temp	pH	Cond.	Turbidity
24.9	7.08	1110	8.15

Are parameters 20%
 of purge values? ☒ Y / ☐ N

Repurge Y / ☒ N

No. repurge volumes: NA

Sampling Method:

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Baller ☒ SS ☐
 Tef ☒ Centrifugal Pump ☐
 PVC ☐
 Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other _____
 Sampling Equipment (Make, Model, etc.) 1 1/2" Teflon Bailer

Sample Equipment Decon'd? ☒ Y ☐ N

If pump or discrete bailer; Depth(s) where pump set: _____ ft BTOC

Weather: High clouds, slight breeze (65 °F)

Lab Analyses: (Circle)

VOA ☒ SVOA ☒ METALS ☐ PEST/PCBS ☐ TPH ☒ CATIONS ☐ ANIONS ☐ TDS ☐
 Others: Vinyl Chloride

Metals: (Circle) Filtered ☐ Unfiltered ☐ Both ☐

Field Dups: Y / ☒ N

Referee Dups: Y / ☒ N

Comments:

Noted sheen on water surface but H06 detector didn't
 detect anything - Total amount purged for
 MWI-02 = 165 gallons

*BTOC = Below Top of Casing (or other measurement reference point)
 SWL = Static Water Level

REV. DATE: MAY 1990

MONITORING WELL PURGING LOG

Sample ID No: MW2-02-01WELL NO: MW2-02Installation: Sky Marine, Inc.Site: 2HAZWRAP Contractor: IT CorporationProject No: 401721-02-01Purge Start: (Date) 4/8/91 (Time) 0816 Purge End: (Date) 4/10/91 (Time) 1130Purged by: Gardner / Barr / T. FawcettDepth Measurement Ref. Point*: T.O.C. Well Csg ID: 2" ④ 6" Other: _____Well Hdspace/Odor: ND LNAPL Check (Y/N) DNAPL Check (Y/N)

Equipment Used To Measure Thickness and Sample Free Product (Make, Model, etc)

Sonatest Interface Probe Model 121Depth to LNAPL: NDDepth to Top and Bottom of Screen Interval: 50/100Depth to DNAPL: _____ Orig. DTW: 71.78 Final DTW: 71.06LNAPL/DNAPL Thickness: ND LNAPL/DNAPL Sample and Volume: N/AMeasured Well TD: 100.02(-) Orig. DTW: 71.78

(-) Wtr Col. Thick: 28.24 (x) 33.9 Gals/ft (=) 33.9 Gals/Csg Vol. (x) 3 Csg Vol. (=) 161.8 Total Purge Gals.

2' - 0.16
4' - 0.65
6' - 1.47
12' - 1.91

1
2
3
4
5

Purge Method:

 Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailor ☐ ☐ SS ☐
 Tef ☐ Centrifugal Pump ☐
 PVC ☐
Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☒ Other: _____Purging Equipment (Make, Model, etc.) Bennett 1800 Purge Equipment Decon'd? (Y/N)Purge Wtr Containerized? (Y/N) Avge Purge Rate: ~ 2 gpmWeather: Sunny, Breeze, Hot (90 °F)0816

Actual Time	Elapsed Time	Vol. Purged (Gals)	Depth To Wtr (ft)	Depth Of Pump Intake (ft)	Temp (°C)	pH (s.a)	Cond. (umhos/m)	Turbidity (NTU)	Other	Comment
0826	10	10	71.78	95	21.7	6.80	1280	7.29		
0833	17	20			21.5	6.91	1280	2.83		
0847		40			21.8	6.83	1280	3.12		
0901		60			21.9	6.94	1300	1.31		
0915		80			22.0	6.96	1300	2.49		
0930		100			22.2	6.98	1300	0.84		
0945		120			22.3	7.05	1300	1.50		
1000		140			22.4	6.93	1300	1.05		
1008		150		✓	22.4	6.96	1300	0.95		
1130		162	71.06	95	23.0	6.91	1180	39.0		

* All Depths in Feet Below Ref. Point on Wellhead - generally Top of Casing (TOC)

DTW = Depth To Water LNAPL/DNAPL = Light or Dense Non-Aqueous Phase Liquid

REV. DATE: MAY 1990

MONITORING WELL SAMPLING LOG		Sample ID No.: MW2-02-01
Installation: <u>Sky Harbor Ave</u>		WELL NO.: <u>MW2</u>
HAZWRAP Contractor: <u>IT Corporation</u>		Site: <u>2</u>
Sample Start: (Date) <u>4/12/91</u> (Time) <u>1040</u>		Project No.: <u>401721-02.05</u>
Sample End: (Date) <u>4/12/91</u> (Time) <u>1130</u>		
Sampled by: <u>Green / Bond / Tramm</u>		

Orig. SWL: 71.78 ft BTOC* Final SWL: 71.06 ft BTOC
 Screen Interval: 50 - 100 ft BTOC

Temp	pH	Cond.	Turbidity
23.0	6.97	1190	31.0

Are parameters 20%
 of purge values? Y/N except Turbidity

Repurge Y/N

No. repurge volumes: NA

Sampling Method:

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailor ☒ SS ☐
 Tef ☒ Centrifugal Pump ☐
 PVC ☐

Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other _____

Sampling Equipment (Make, Model, etc.) _____

Sample Equipment Decon'd? Y/N

If pump or discrete bailer; Depth(s) where pump set: _____ ft BTOC

Weather: Sunny, Breezy, HOT (90 °F)

Lab Analyses: (Circle)

VOA SVOA METALS PEST/PCBS TPH CATIONS ANIONS TDS
 Others: Vinyl Chloride

Metals: (Circle) Filtered Unfiltered Both

Field Dups.: Y/N Referee Dups.: Y/N

Comments:

Sample MW2-02-01 AT 1100 Hours. ALSO TOOK MATRIX SLIME &
MATRIX SAMS DUPS HERE: MW2-02-01 - MS AT 1115 Hours
MW2-02-01 - MSD AT 1130 Hours

*BTOC = Below Top of Casing (or other measurement reference point)
 SWL = Static Water Level

REV. DATE: MAY 1990

MONITORING WELL PURGING LOG		Sample ID No: <u>MW3-01-01</u>
Installation: <u>Sky-House Area</u>		WELL NO: <u>MW3-01</u>
HAZWAB Contractor: <u>IT Corporation</u>		Site: <u>?</u>
Purge Start: (Date) <u>4/11/91</u> (Time) <u>1434</u>		Project No: <u>409821.02.05</u>
Purge End: (Date) <u>4/11/91</u> (Time) <u>1645</u>		
Purged by: <u>Gordon / Bono / Treadwell</u>		

Depth Measurement Ref. Point*: T.O.C. Well Csg ID: 2" (4) 6" Other: _____
 Well Hdspace/Odor: _____ LNAPL Check (Y/N) (N) DNAPL Check (Y/N) _____
 Equipment Used To Measure Thickness and Sample Free Product (Make, Model, etc)
Solinst Interface Probe Model 121

Depth to Top and Bottom of Screen Interval: 50/100
 Depth to LNAPL: ND Depth to DNAPL: _____ Orig. DTW: 71.72 Final DTW: 71.73
 LNAPL/DNAPL Thickness: ND LNAPL/DNAPL Sample and Volume: NA
 Measured Well TD: 99.42
 (-) Orig. DTW: 71.72

(-) Wtr Col. Thick: 27.70 (x) 4" - 0.65 Gals/ft (=) 52.9 Gals/Csg Vol. (x) 3 Csg Vol. (=) 158.7 Total Purge Gals.
2" - 0.16
6" - 1.47
9 3/4" - 1.91

Purge Method:

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Baller ☐ SS ☐
 Tef ☐ Centrifugal Pump ☐
 PVC ☐

Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☒ Other: _____

Purging Equipment (Make, Model, etc.) Binwet 1800 Purge Equipment Decon'd? (Y) N

Purge Wtr Containerized? (Y) N Ave Purge Rate: ~ 2 gpm

Weather: Sunny, Breezy, Hot (USO OF)
1434

Actual Time	Elapsed Time	Vols. Purged (Gals)	Depth To Wtr (ft)	Depth Of Pump Intake (ft)	Temp (°C)	pH (s.a)	Cond. (umhos/in)	Turbidity (NTa)	Other	Comment
1440		10	71.72	95	22.6	7.13	1240	5.52		
1446		20			22.8	7.19	1240	2.58		
1457		40			22.5	7.19	1230	1.27		
1509		60			22.4	7.20	1240	1.01		
1520		80			22.6	7.21	1230	0.71		
1532		100			22.3	7.21	1240	0.66		
1544		120			22.4	7.21	1230	0.61		
1600		140			22.5	7.20	1230	0.62		
1607		150	71.73	95	22.4	7.22	1230	0.73		
1640		157			22.5	7.27	1230	51.5		

* All Depths in Feet Below Ref. Point on Wellhead - generally Top of Casing (TOC).

DTW = Depth To Water LNAPL/DNAPL = Light or Dense Non-Aqueous Phase Liquid

REV. DATE: MAY 1990

MONITORING WELL SAMPLING LOG		Sample ID No.: MW 3-01-01
Installation: <u>Sax Hound Ave</u>		WELL NO.: <u>MW3-01</u>
HAZWRAP Contractor: <u>IT Construction</u>		Site: <u>3</u>
Sample Start (Date) <u>4/11/91</u> (Time) <u>1630</u>		Project No.: <u>409P21-02-05</u>
Sample End (Date) <u>4/11/91</u> (Time) <u>1645</u>		
Sampled by: <u>Gardner/Bold/Truman</u>		

Orig. SWL: 71.72 ft BTOC* Final SWL: 71.7 ft BTOC
 Screen Interval: 50 - 100 ft BTOC

Temp	pH	Cond.	Turbidity
22.5	7.22	1230	51.5

Are parameters 20%
 of purge values? Y/N Except Turbidity

Repurge Y/N

No. repurge volumes: NA

Sampling Method:

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailor ☒ SS Tef PVC ☒ Centrifugal Pump ☐

Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other _____

Sampling Equipment (Make, Model, etc.) 1 1/2" Teflon Bailor

Sample Equipment Decon'd? Y/N

If pump or discrete bailer; Depth(s) where pump set: _____ ft BTOC

Weather: Sunny, Breezy, Hot (~ 80 °F)

Lab Analyses: (Circle)

VOA SVOA METALS PEST/PCBS TPH CATIONS ANIONS TDS

Others: Volatile Chlorides, TDPb

Metals: (Circle) Filtered Unfiltered Both

Field Dups: Y/N Referee Dups: Y/N

Comments:

Sample MW3-01-01 Taken AT 1630 Hours

Equip Rinsate QC-FR25 Taken AT 1720 Hours

*BTOC = Below Top of Casing (or other measurement reference point)
 SWL = Static Water Level

FIGURE 5-6a

REV. DATE: MAY 196

MONITORING WELL PURGING LOG

Sample ID No.: MW3-21-07A

WELL NO.: MW3-01

Installation: Sky Harbor Coordinates

Site: 3

HAZWRAP Contractor: JTCORP

Project No.: 409221

Purge Start: (Date) 4-7-91 (Time) 1040 Purge End: (Date) 4-16-91 (Time) 1225

Purged by: John Boyd / Cindy Dan

Depth Measurement Ref. Point*: TOC Well Csg ID: 2" (4) 6" Other

Well Hdspace/Odor: L NAPL Check (Y/N) DNAPL Check (Y/N)

Equipment Used To Measure Thickness and Sample Free Product (Make, Model, etc.)

Solinst Interface Probe

Depth to Top and Bottom of Screen Interval: 0/100

Depth to LNAPL: NA

Depth to DNAPL: NA Orig. DTW: 68.35 Final DTW: 99.69

LNAPL/DNAPL Thickness: NA

LNAPL/DNAPL Sample and Volume: CD

Measured Well TD: 99.69

(-) Orig. DTW: 68.35

(=) Wtr Col. Thick.: 31.34 (x) 2" - 0.16 1
 4" - 0.65 2
 6" - 1.47 4
 9 3/4" - 1.91 5

Gals/ft (=) 59.9 Gals/Csg Vol. (x) 3 Csg Vol. (=) 180 Total Purge Gals.

Purge Method:

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailor ☐ SS ☐ Centrifugal Pump ☐Tef ☐
PVC ☐Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☒ Other

Purging Equipment (Make, Model, etc.) Bennett Pump Model 100 Purge Equipment Decon'd? (Y) N

Purge Wtr Containerized? (Y) N Avg Purge Rate: 2.6 gpm

Weather: Slight breeze, high clouds (80 of)

Actual Time	Elapsed Time	Vol. Purged (Gals)	Depth To Wtr (ft)	Depth Of Pump Intake (ft)	Temp (°C)	pH (s.a)	Cond. (umhos/m)	Turbidity (NTa)	Other	Comment
1040		—								
1046		20			23.1	6.89	1270			
1100		40			22.7	6.86	1250			
1115		60			22.7	7.01	1300	.25		
1129		80			23.1	6.89	1320	.34		
1139		100			23.6	6.89	1330	.32		
1150		120			23.2	6.86	1330	.46		
1201		140		230	23.2	6.95	1290	.48		
1212		160			23.0	6.94	1340	.51		
1225		180			23.1	6.93	1340	1.29		Sample taken

* All Depths in Feet Below Ref. Point on wellhead - generally Top of Casing (TOC)

DTW = Depth To Water LNAPL/DNAPL = Light or Dense Non-Aqueous Phase Liquid

REV. DATE: MAY 1995

FIGURE 5-6 b

MONITORING WELL SAMPLING LOG		Sample ID No.: MW 3-02-04A
Installation: City: <u>Barber</u> Coordinates: <u> </u>		WELL NO.: MW 3-02
HAZWRAP Contractor: <u>JT Corp</u>		Site: <u>3</u>
Sample Start (Date) <u>4-17-91</u> (Time) <u>1250</u>		Project No.: <u>409521</u>
Sample End (Date) <u>4-17-91</u> (Time) <u>1330</u>		
Sampled by: <u>John Bayl / Cynthia Dora / Joe Tyburski</u>		

Orig. SWL: 65.35 ft BTOC* Final SWL: 68.26 ft BTOC
 Screen Interval: 50 - 100 ft BTOC

Temp	pH	Cond	Turbidity
23.1	6.93	1340	1.29
24.2	6.88	1340	55.2

- after sampling

Are parameters 20%
of purge values? Y NRepurge Y / NNo. repurge volumes: NA

Sampling Method:

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Baller ☒ SS ☐
 Tef ☒ Centrifugal Pump ☐
 PVC ☐

Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other Sampling Equipment (Make, Model, etc.) 1 1/2" Teflon bailerSample Equipment Decon'd? Y NIf pump or discrete bailer; Depth(s) where pump set: ft BTCWeather: Hot, breezy (87 °F)

Lab Analyses: (Circle)

VOA ☒ SVOA ☒ ACD METALS ☒ PEST/PCBS ☒ TPH ☒ CATIONS ☐ ANIONS ☐ TD ☐
 Others: Total Organic Pb, Vinyl Chloride

Metals: (Circle) Filtered ☐ Unfiltered ☐ Both ☐Field Dups.: Y NReferee Dups.: Y / N

Comments:

Turbidity change on last sample.
MW3-01 - sampled at 1250 - duplicates taken

*BTOC = Below Top of Casing (or other measurement reference point)
 SWL = Static Water Level

FIGURE 5-6a

REV. DATE: MAY 1995

MONITORING WELL PURGING LOG

Installation: Shy Harbor Coordinates: _____Sample ID No.: MWJ-02-01 (Pur Du)WELL NO.: MWJ-02Site: 3HAZWOP Contractor: IT CorporationProject No.: 40921-02-05Purge Start: (Date) 4/5/91 (Time) 0945 Purge End: (Date) 4/5/91 (Time) 1245Purged by: Gordon / Boyd / TraversDepth Measurement Ref. Point*: T.O.C. Well Csg ID: 2" (4) 6" Other: _____Well Hdspace/odor: N/A NA LNAPL Check (D/N) DNAPL Check (Y/N)

Equipment Used To Measure Thickness and Sample Free Product (Make, Model, etc.)

SOLNET INTERFACE PUMP MODEL 121Depth to Top and Bottom of Screen Interval: 50/100Depth to LNAPL: NDDepth to DNAPL: _____ Orig. DTW: 71.37 Final DTW: 71.29LNAPL/DNAPL Thickness: NALNAPL/DNAPL Sample and Volume: NAMeasured Well TD: 99.61(-) Orig. DTW: 71.37

(-) Wtr Col. Thick.: 22.32 (x) 22.32 Gals/ft (=) 54.1 Gals/Csg Vol. (x) 162.3 Csg Vol. (=) 162.3 Total Purge Gals.

2" - 0.16
4" - 0.65
6" - 1.47
8" - 4.91

1
2
3
4
5

Purge Method:

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Baller ☐ Tef ☐ Centrifugal Pump ☐PVC ☐Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☒ Other: _____Purging Equipment (Make, Model, etc.) BREWITT MODEL 1800 Purge Equipment Decon'd? (Y) NPurge Wtr Containerized? (D/N) Ave Purge Rate: 2 gpmWeather: Sunny, Breezy, HOT (~95 °F)

0945

Actual Time	Elapsed Time	Vols. Purged (Gals)	Depth To Wtr (ft)	Depth Of Pump Intake (ft)	Temp (°C)	pH (s.a)	Cond. (umhos/cm)	Turbidity (NTa)	Other	Comment
0945	4	10	71.37	95	22.8	7.13	1340	15.71		
0155		20			22.9	7.12	1360	5.31		
1006		40			22.9	7.12	1360	7.73		
1016		60			23.0	7.12	1370	2.15		
1029		80			22.9	7.12	1360	1.55		
1040		100			23.0	7.11	1360	2.66		
1051		120			22.9	7.11	1370	1.75		
1101		140			23.0	7.10	1360	0.95		
1107		150	71.29	45	23.0	7.11	1360	1.08		

* All Depths in Feet Below Ref. Point on Wellhead - generally Top of Casing (TOC)

DTW = Depth To Water LNAPL/DNAPL = Light or Dense Non-Aqueous Phase Liquid

REV. DATE: MAY 15

FIGURE 5-6 b

MONITORING WELL SAMPLING LOG		Sample ID No.: <u>MW3-02-01 (Rev D)</u>
Installation: <u>Bay Harbor</u> Coordinates: _____		WELL NO.: <u>MW3-02</u>
HAZWRAP Contractor: <u>TC Corporation</u>	Site: <u>3</u>	
Project No.: <u>40172102.05</u>		
Sample Start (Date) <u>4/5/91</u> (Time) <u>1145</u>	Sample End (Date) <u>4/5/91</u> (Time) <u>1245</u>	
Sampled by: <u>Caroline / BMD / T. P. H. S. H.</u>		

Orig. SWL: 71.37 ft BTOC* Final SWL: 71.37 ft BTOCScreen Interval: 50 - 100 ft BTOC

Temp	pH	Cond.	Turbidity
23.1	7.07	1330	31.0

Are parameters 20%
of purge values? Y/N (Except Turbidity)Repurge Y/NNo. repurge volumes: NA

Sampling Method:

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Baller ☒ SS ☐
 Tef ☒ Centrifugal Pump ☐
 PVC ☐

Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other _____

Sampling Equipment (Make, Model, etc.) _____

Sample Equipment Decon'd? Y/N

If pump or discrete baller; Depth(s) where pump set: _____ ft BT

Weather: Sunny, Breezy, HOT (~95 °F)

Lab Analyses: (Circle)

VOA SVOA METALS PEST/PCBS TPH CATIONS ANIONS T.
 Others: TO Pb, Vanadium, Chromium

Metals: (Circle) Filtered Unfiltered Both

Field Dups.: Y N Referee Dups.: Y N

Comments:

Field Dup completed (MW3-02-02-Dup) : 1245 1250

*BTOC = Below Top of Casing (or other measurement reference point)

SWL = Static Water Level

MONITORING WELL PURGING LOG		Sample ID No: <u>MWY-01-01</u>
Installation: <u>PACAP M. and R. Engineering</u>		WELL NO: <u>MWY-01</u>
HAZWRAP Contractor: <u>IT Construction</u>		Site: <u>4</u>
Purge Start: (Date) <u>4/4/91</u> (Time) <u>0900</u>	Purge End: (Date) <u>4/8/91</u> (Time) <u>1400</u>	Project No: <u>40972.0205</u>
Purged by: <u>G. Mann / B. D. / T. R. / M. R.</u>		

Depth Measurement Ref. Point: T.O.C. Well Csg ID: 2" 4" 6" Other: _____
 Well Hdspace/Ordr: NR LNAPL Check (Y/N) DNAPL Check (Y/N)
 Equipment Used To Measure Thickness and Sample Free Product (Make, Model, etc)
SOLINST INTELLIGENCE PROBE Model 121

Depth to Top and Bottom of Screen Interval 22.5 - 42.5
 Depth to LNAPL: NR Depth to DNAPL: _____ Orig. DTW: 34.43 Final DTW: DRY
 LNAPL/DNAPL Thickness NR LNAPL/DNAPL Sample and Volume: NR
 Measured Well TD: 42.87
 (-) Orig. DTW: 34.43

(-) Wtr Col. Thick: 8.44 (x) 2" - 0.16 4" - 0.65 6" - 1.47 8" - 1.91
 Gals/ft (=) 16.1 Gals/Csg Vol. (x) 3 Csg Vol. (=) 16.1 Total Purge Gals.
 ①
 2
 3
 4
 5

Purge Method:
 Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Baller ☒ SS ☐
 Tef ☐ Centrifugal Pump ☐
 PVC ☒
 Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other: _____
 Purging Equipment (Make, Model, etc.) 3 1/2 inch PVC Baller Purge Equipment Decon'd? (Y/N)

Purge Wtr Containerized? (Y/N) Avg Purge Rate: < 0.5 gpm
 Weather: Sunny, Breezy, Hot (~ 90 °F)

Actual Time	Elapsed Time	Vols. Purged (Gals)	Depth To Wtr (ft)	Depth Of Pump Intake (ft)	Temp (°C)	pH (s.a)	Cond. (umhos/m)	Turbidity (NTa)	Other	Comment
0900		2.5	34.43	NA	25.3	6.97	2820	97.0		
0903		5.0			25.2	7.13	2830	145.1		
0906		10.0			25.1	7.06	2830	7200		
0915								11		Purged Dry
0923		17.0			26.3	7.12	2910	115.9		
0935										Purged Dry
1400		12.5	DRY	↓						Purged Dry
4/8/91										
1400		13.5			25.6	6.95	2840	12.22		Sampling on 4/8/91 due to lower summer flow from this well.

* All Depths in Feet Below Ref. Point on Wellhead - generally Top of Casing (TOC)
 DTW = Depth To Water LNAPL/DNAPL = Light or Dense Non-Aqueous Phase Liquid

REV. DATE: MAY 1990

MONITORING WELL SAMPLING LOG

Installation: PAPER MILITARY RESERVATIONSample ID No: MW4-01-01WELL NO: MW4-01Site: 4HAZWAP Contractor: IT CorporationProject No: 409221.02.05Sample Start: (Date) 4/2/91 (Time) 1345Sample End: (Date) 4/2/91 (Time) 1415Sampled by: Garcia / Bob FitzmauriceOrig. SWL: 34.43 ft BTOC* Final SWL: Dry ft BTOCScreen Interval: 21 - 41 ft BTOC

Temp	pH	Cond.	Turbidity

Well dry could not collect sample JRT 4-26-91
field parametersAre parameters 20%
of purge values? Y/N

Repurge Y/N

No. repurge volumes: _____

Sampling Method:

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Baller ☒ SS ☐
Tef ☒ Centrifugal Pump ☐
PVC ☐Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other _____

Sampling Equipment (Make, Model, etc.) _____

Sample Equipment Decon'd? (Y)/N

If pump or discrete baller; Depth(s) where pump set: _____ ft BTOC

Weather: Sunny, Breezy, HOT (~ 90 °F)

Lab Analyses: (Circle)

(VOA) (SVDA) (METALS) PEST/PCBS (TPH) CATIONS ANIONS TDS

Others: _____

Metals: (Circle) (Filtered) Unfiltered BothField Dups: Y/(N)Referee Dups: Y/(N)

Comments:

Sample was collected on 4/2/91, 1400 hours (MW4-01-01) & RINATE
(QC-ER22) at 1415 hours. THE DELAY BETWEEN PURGING & SAMPLING
WAS DUE TO EXTREMELY LOW RISE/FAALL RATES (< 1/2 ft / DAY) OF
THE WELL.Mark Hinkle*BTOC = Below Top of Casing (or other measurement reference point)
SWL = Static Water Level

REV. DATE: MAY 1990

MONITORING WELL PURGING LOG

Sample ID No: MW4-02-01WELL NO.: MW4-02Installation: ST PETERS MATTHEW RESERVOIRSite: 4HAZWRAP Contractor: LT CONSULTINGProject No.: 409421.02.05Purge Start (Date) 4/4/91 (Time) 1020Purge End (Date) 4/4/91 (Time) 1400Purged by: GARDIN / BORD / TRIBUNDepth Measurement Ref. Point*: T.O.C. Well Csg ID: 2" (4) 6" Other: _____Well Hdspace/Odor: ND LNAPL Check (Y) N DNAPL Check (Y) N

Equipment Used To Measure Thickness and Sample Free Product (Make, Model, etc)

SOLIMET INTERFACE PROBE MODEL 121Depth to Top and Bottom of Screen Interval: 50/100Depth to LNAPL: NDDepth to DNAPL: NA Orig. DTW: 27.44 Final DTW: DRYLNAPL/DNAPL Thickness: ND LNAPL/DNAPL Sample and Volume: NAMeasured Well TD: 44.40(-) Orig. DTW: 27.44

(-) Wtr Col. Thick: 16.96 (x) 4 - 0.65 Gals/ft (=) 32.4 Gals/Csg Vol. (x) 3 Csg Vol. (=) 32.4 Total Purge Gals.

9 3/4 - 1.91

①
2
3
4
5

Purge Method:

 Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailor ☒ SS ☐
 Tef ☐ Centrifugal Pump ☐
 PVC ☒
Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other: _____Purging Equipment (Make, Model, etc.): NA Purge Equipment Decon'd? Y NPurge Wtr Containerized? (Y) N Avg Purge Rate: _____ gpmWeather: Sunny, Breezy, HOT (90 °F)

Actual Time	Elapsed Time	Vol. Purged (Gals)	Depth To Wtr (ft)	Depth Of Pump Intake (ft)	Temp (°C)	pH (s.a)	Cond. (umhos/m)	Turbidity (NTa)	Other	Comment
1030	1 min	2.5	27.44	NA	26.6	7.15	1080	82.1		
1033		5.0			26.6	7.17	1090	130.3		
1039		10.0			26.6	7.12	1100	100.6		
1044		15.0			26.3	7.13	1100	154.1		
1050		20.0			26.2	7.16	1100	70.8		
1058		25.0			26.3	7.23	1090	79.3		1108 - Pumped Dry
1120		27.5		↓	26.6	7.29	1090	7.91		
1210		30.0	DRY	NA	27.0	7.46	1090	7.01		

* All Depths in Feet Below Ref. Point on Wellhead - generally Top of Casing (TOC)

DTW = Depth To Water LNAPL/DNAPL = Light or Dense Non-Aqueous Phase Liquid

•

MONITORING WELL SAMPLING LOG		Sample ID No: MW4-02-01
Installation: <u>Paradise Military Reservation</u>		WELL NO: <u>MW4-02</u>
HAZWRAP Contractor: <u>IT Corporation</u>		Site: <u>4</u>
Sample Start: (Date) <u>4/4/91</u> (Time) <u>1230</u>		Project No.: <u>406721-02.05</u>
Sample End: (Date) <u>4/4/91</u> (Time) <u>1400</u>		
Sampled by: <u>Garcia / Boto / Tronani</u>		

Orig. SWL: 27.44 ft BTOC* Final SWL: ~~27~~ ft BTOC
Screen Interval: 32.24 - 44 ft BTOC

Temp	pH	Cond.	Turbidity
20.3	7.54	1080	7.3

Are parameters 20%
of purge values? (Y) N

Repurge Y N

No. repurge volumes: NA

Sampling Method:

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailor ☒ Tef ☐ Centrifugal Pump ☐
PVC ☐

Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other _____

Sampling Equipment (Make, Model, etc.) _____

Sample Equipment Decon'd? ☒ Y ☐ N

If pump or discrete bailer; Depth(s) where pump set: _____ ft. BTOC

Weather: Sunny, BREEZY, HOT (~ 90 °F)

Lab Analyses: (Circle)

VOA SVOA METALS PEST/PCBS TPH CATIONS ANIONS TDS
Others _____

Others:

Metals: (Circle) Filtered Unfiltered Both

Field Dups.: Y / ~~R~~

Referee Dups.: Y / ☒ N

Comments:

Finished standing at 1400

*BTOC = Below Top of Casing (or other measurement reference point)
SWL = Static Water Level

FIGURE 5-6a

REV. DATE: MAY 199

MONITORING WELL PURGING LOG

Installation: Sky Harbor CoordinatesSample ID No.: MW4-02-CHAWELL NO.: MW4-02Site: 4HAZWRAP Contractor: J.T. CorpProject No.: 407921Purge Start: (Date) 4-16-91 (Time) 0740 Purge End: (Date) 4-16-91 (Time) 1130Purged by: John BoydDepth Measurement Ref. Point*: Northside of Ceiling ^{TOC} Well Csg ID: 2" (4) 6" OtherWell Hdspace/Ordr: - ND LNAF Check (Y/N) DNAPL Check (Y/(4))

Equipment Used To Measure Thickness and Sample Free Product (Make, Model, etc)

Depth to LNAFL: NA Depth to Top and Bottom of Screen Interval 24' to 44'
Depth to DNAPL: NA Orig. DTW: 27.90 Final DTW:LNAFL/DNAPL Thickness: NA LNAFL/DNAPL Sample and Volume:Measured Well TD: 44.40(-) Orig. DTW: 27.90

	2" - 0.16		①	
(-) Wtr Col. Thick: <u>4.5</u> (x)	4" - 0.65	Gals/ft (=) <u>31.5</u>	2	Total Purge Gals.
	6" - 1.47	Gals/Csg Vol. (x) <u>3</u>	3	
	<u>24" - 1.91</u>		4	
			5	
			SS	

Purge Method:

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailor ☒ Ter ☐ Centrifugal Pump ☐
PVC ☐Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ OtherPurging Equipment (Make, Model, etc.) 3" Bailor Purge Equipment Decon'd? (Y/N)Purge Wtr Containerized? (Y/N) Avge Purge Rate: 2.5 gpmWeather: Cloudy (65 °F)

Actual Time	Elapsed Time	Vois. Purged (Gals)	Depth To Wtr (ft)	Depth Of Pump Intake (ft)	Temp (°C)	pH (s.a)	Cond. (umhos/m)	Turbidity (NTa)	Other	Comment
0800										
0801					25.2	6.96	1060	5?		
0805		6			25.9	6.68	1000	60.5		
0810		10			25.7	6.59	1020	62.7		
0815		14			25.4	6.54	1040	60.0		
0823		20			25.9	6.58	1020	25.0		
0829		25			25.3	6.51	1000	17.5		well going dry
0920		29			26.0	7.06	1050	16.00		
1046		35			26.8	7.01	1051	10.50		
1130					27.2	6.96	960	9.50		End of Sample

* All Depths in Feet Below Ref. Point on wellhead - generally Top of Casing (TOC)

DTW = Depth To Water LNAFL/DNAPL = Light or Dense Non-Aqueous Phase Liquid

MONITORING WELL SAMPLING LOG		WELL NO.: MW4-02
Installation: Sky Harbor	Coordinates	Site: 4 (Pape)
HAZWRAP Contractor: IT Corp	Project No.: 409721	
Sample Start: (Date) 4-16-91 (Time) 1115	Sample End: (Date) 4-16-91 (Time) 1130	
Sampled by: John Beard / Cindy Darr		

Orig. SWL: 26.9 ft BTOC Final SWL: 43.21 ft BTOC
Screen Interval: 24 - 44 ft BTOC

Temp	pH	Cond.	Turbidity
27.2	6.96	960	9.5

Are parameters 20%
of purge values? (Y) / N

Repurge Y ~~(N)~~

No. repurge volumes: NA

Sampling Method

Sampling Method: ☐ Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailor ☒ Teflon ☒ Centrifugal Pump ☐ PVC

Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other _____

Sampling Equipment (Make, Model, etc.) 1 1/2" Teflon Bailer

Sample Equipment Decon'd? **(Y)** N

If pump or discrete bailer; Depth(s) where pump set: _____ ft. BT

Weather: High clouds, slight breeze (70 °F)

Lab Analyses: (Circle)

VOA SVOA METALS PEST/PCBS TPH CATIONS ANIONS T.

Others: _____

Metals: (Circle) Filtered Unfiltered Both

Field Dups.: Y / N Referee Dups.: Y / N

Comments:

*BTOC = Below Top of Casing (or other measurement reference point)
SWL = Static Water Level

REV. DATE: MAY 1990

MONITORING WELL PURGING LOG		Sample ID No: <u>MWS-01-01</u>
Installation: <u>Sky Harbor Air Base</u>		Well No: <u>S/MWS-01</u>
HAZWRAP Contractor:		Site: <u>5</u>
Purge Start: (Date) <u>4/3/91</u> (Time) <u>1530</u>		Project No:
Purge End: (Date) <u>4/3/91</u> (Time) <u>1800</u>		
Purged by: <u>GARDNER / BOWEN / T. J. JAMES</u>		

Depth Measurement Ref. Point: T.O.C. Well Csg ID: 2" (4) 6" Other _____
 Well Hdspace/Odor: ND LNAPL Check (Y/N) ~~DNAPL~~ Check (Y/N)
 Equipment Used To Measure Thickness and Sample Free Product (Make, Model, etc)
SOLINST INTERFACE PROBE MODEL 121

Depth to Top and Bottom of Screen Interval 50 / 100
 Depth to LNAPL: ND Depth to DNAPL: _____ Orig. DTW: 73.00 Final DTW: 72.98
 LNAPL/DNAPL Thickness ND LNAPL/DNAPL Sample and Volume: NA
 Measured Well TD: 99.82 99.84 4-5-91
 (-) Orig. DTW: 73.00

(-) Wtr Col. Thick: 26.74 4-5-91 2" - 0.16
26.74 (x) 4" - 0.65 Gals/ft (=) 51.1 4-5-91 1 153.2 4-5-91 Total
31 6" - 1.47 Gals/Csg Vol. (x) 3 Csg Vol. (=) 153.6 Purge
4-5-91 94 - 1.91 4 5
 5

Purge Method:
 Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Baller ☐ SS ☐
 Tef ☐ Centrifugal Pump ☐
 PVC ☐
 Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☒ Other _____
 Purging Equipment (Make, Model, etc.) BENNETT 1800 Purge Equipment Decon'd? (Y/N)

Purge Wtr Containerized? (Y/N) Avg Purge Rate: ~ 2 gpm
 Weather: Sunny, Warm, BREEZY (w/ 8% OF)

Actual Time	Elapsed Time	Vol. Purged (Gals)	Depth To Wtr (ft)	Depth Of Pump Intake (ft)	Temp (°C)	pH (s.a)	Cond. (umhos/cm)	Turbidity (NTU)	Other	Comment
1343	15	10	78.00	95	23.1	7.13	1230	1.89		
1348		20			22.7	7.12	1250	7.03		
1600		40			22.8	7.15	1250	7.90		
1610		60			22.7	7.12	1240	2.12		
1621		80			22.6	7.13	1240	1.12		
1654		100			22.4	7.13	1240	1.08		
1704		120			22.7	7.14	1240	0.44		
1715		140			22.5	7.12	1240	0.69		
1721		150		95	22.5	7.12	1240	0.35		

* All Depths in Feet Below Ref. Point on Wellhead - generally Top of Casing (TOC)
 DTW = Depth To Water LNAPL/DNAPL = Light or Dense Non-Aqueous Phase Liquid

REV. DATE: MAY 1990

MONITORING WELL SAMPLING LOG		Sample ID No.: MW5-01-01
Installation: Sky Harbor ANG Base		WELL NO.: MW5-01
HAZWRAP Contractor: IT Corporation		Site: 5
Sample Start (Date): 4/2/91 (Time): 1740		Project No.: 409721-02.05
Sample End (Date): 4/2/91 (Time): 1800		
Sampled by: GORDON / BOYD / TYREMAN		

Orig. SWL: 73.00 ft BTOC* Final SWL: 72.98 ft BTOC
 Screen Interval: 80 - 100 ft BTOC

Temp	pH	Cond.	Turbidity
23.3	7.15	1240	31.5

Are parameters 20%
 of purge values? ☒ Y / ☐ N Except Turbidity

Repurge Y ☒ N

No. repurge volumes: NA

Sampling Method:

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Baller ☒ SS ☐
 Tef ☒ Centrifugal Pump ☐
 PVC ☐

Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other _____

Sampling Equipment (Make, Model, etc.) 1 1/4" Teflon Bailer

Sample Equipment Decon'd? ☒ Y / ☐ N

If pump or discrete baller; Depth(s) where pump set: _____ ft BTOC

Weather: SUNNY, BREEZY, WINDY (~ 85 °F)

Lab Analyses: (Circle)

VOA SVOA METALS PEST/PCBS TPH CATIONS ANIONS TDS
 Others: NITRATE / NITRITE

Metals: (Circle) Filtered Unfiltered Both

Field Dups: Y ☒ N Referee Dups: Y ☒ N

Comments:

Collected samples at 1745. Collected EDU. RINATE (also at 1745) at this well.

*BTOC = Below Top of Casing (or other measurement reference point)
 SWL = Static Water Level

FIGURE 5-6a

REV. DATE: MAY 1990

MONITORING WELL PURGING LOG

Installation: Sky Harbor CoordinatesSample ID No.: MW5-01-01AWELL NO.: MW5021

Site:

HAZWRAP Contractor: JTCProject No.: 409721Purge Start: (Date) 4-16-91 (Time)Purge End: (Date) 4-16-91 (Time) 1535Purged by: John Beard, Chris DavisDepth Measurement Ref. Point*: TOC Well Csg ID: 2" (4) 6" OtherWell Hdspace/odor: ND LNAPL Check (Y/N) DNAPL Check (Y/ND)

Equipment Used To Measure Thickness and Sample Free Product (Make, Model, etc.)

Solinst Interface ProbeDepth to Top and Bottom of Screen Interval: 50/100Depth to LNAPL: NADepth to DNAPL: NA Orig. DTW: 68.95 Final DTW: 68.85LNAPL/DNAPL Thickness ND LNAPL/DNAPL Sample and Volume: NAMeasured Well TD: 99.74(-) Orig. DTW: 68.95

(-) Wtr Col. Thick.: 30.74 (x) 2" - 0.16
4" - 0.65 Gals/ft (=) 58.8 Gals/Csg Vol. (x) 1 Csg Vol. (=) 176 Total
6" - 1.47
9 1/2" - 1.91 5 Purge Gals.

Purge Method:

 Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Baller ☐ Tef ☐ Centrifugal Pump ☐
 PVC ☐
Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☒ OtherPurging Equipment (Make, Model, etc.) Bennett Pump 1800 Purge Equipment Decon'd? (Y/N)Purge Wtr Containerized? (Y/N) Avege Purge Rate: 1.6 gpmWeather: Partly Cloudy, Slight Humidity (80 °F)

Actual Time	Elapsed Time	Vols. Purged (Gals)	Depth To Wtr (ft)	Depth Of Pump Intake (ft)	Temp (°C)	pH (s.a)	Conc. (umhos/m)	Turbidity (NTa)	Other	Comment
1350		—								
1400		20			23.3	6.92	1300	.69		
1414		40			23.9	6.79	1290	.20		
1425		60			23.8	6.89	1280	.20		
1438		80			23.0	6.86	1280	.20		
1449		100			23.5	6.85	1270	.29		
1459		120			23.5	6.82	1250	.11		
1509		140			23.5	6.80	1260	.30		
1521		160			23.4	6.80	1240	.15		
1531		178			23.2	6.86	1260	.13		

* All Depths in Feet Below Ref. Point on Wellhead - generally Top of Casing (TOC)
 DTW = Depth To Water LNAPL/DNAPL = Light or Dense Non-Aqueous Phase Liquid

FIGURE 5-6 b

MONITORING WELL SAMPLING LOG

Installation: <u>Skyl Harbor</u>	Coordinates: _____	Sample ID No.: <u>MWS-01-01A</u>
HAZWAP Contractor: <u>JT Corp</u>	Project No.: <u>409721</u>	WELL NO.: <u>MWS-01</u>
Sample Start (Date) <u>4-16-91</u> (Time) <u>1545</u>	Sample End (Date) <u>4-16-91</u> (Time) <u>1605</u>	Site: <u>3</u>
Sampled by: <u>John Boyd, Cindy Dorn</u>		

Orig. SWL: 68.95 ft BTOC* Final SWL: 66.85 ft BTOC
 Screen Interval: 50 - 100 ft BTOC

Temp	pH	Cond.	Turbidity
23.5	6.90	260	6.34

Are parameters 20%
of purge values? Y/N

Repurge Y/N

No. repurge volumes: NA

Sampling Method:

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☒ Bailor ☒ SS ☐
 Tef ☒ Centrifugal Pump ☐
 PVC ☐

Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other _____

Sampling Equipment (Make, Model, etc.) 1 1/2" Teflon Bailor

Sample Equipment Decon'd? Y/N

If pump or discrete bailer; Depth(s) where pump set: 95 ft BTOC

Weather: cloudy, humid (85 °F)

Lab Analyses: (Circle)

VOA SVOA METALS PEST/PCBS TPH CATIONS ANIONS TC

Others: Nitrate/Nitrite

Metals: (Circle) Filtered Unfiltered Both

Field Dups.: Y/N Referee Dups.: Y/N

Comments:

MWS-01, field duplicates and rinsate samples taken
samples and dup taken at 1545
Rinsate - 1630

*BTOC = Below Top of Casing (or other measurement reference point)
 SWL = Static Water Level

REV. DATE: MAY 1990

MONITORING WELL PURGING LOG

Installation: Sky Harpco ANGHAZWRAP Contractor: IT CorporationPurge Start: (Date) 6/25/91 (Time) 1402Purged by: GARDNER / SAWYERSample ID No: MWS-01-02WELL NO: MWS-01Site: 808 Base Harpco WagonProject No: 409721-02.05Purge End: (Date) 6/27/91 (Time) 1615Depth Measurement Ref. Point: T.O.C.Well Csg ID: 2" (4) 6" Other: _____Well Hdspace/Odor: ~0.2m (Hdspace 10-10) LNAPL Check (Y/N) DNAPL Check (Y/N) N

Equipment Used To Measure Thickness and Sample Free Product (Make, Model, etc)

SOLINOT INTEGRAL PROBE MODELDepth to Top and Bottom of Screen Interval ~50/100 ftDepth to LNAPL: NDDepth to DNAPL: N/A Orig. DTW: 72.88 Final DTW: 72.90LNAPL/DNAPL Thickness ND LNAPL/DNAPL Sample and Volume: N/AMeasured Well TD: 77.78(-) Orig. DTW: 72.88

(-) Wtr Col. Thick: 26.9 (x) 2" - 0.16 4" - 0.65 6" - 1.47 ~10" - 1.91 Gals/ft (-) 51.4 Gals/Csg Vol. (x) 3 Csg Vol. (-) 15.4 Total Purge Gals.

Purge Method:

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailor ☐ SS ☐ Centrifugal Pump ☐Tef ☐
PVC ☐Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☒ Other: _____Purging Equipment (Make, Model, etc.) BEAUMONT MODEL 1800 Purge Equipment Decon'd? (Y/N)Purge Wtr Containerized? (Y/N) Avg Purge Rate: ~ 2 gpmWeather: Sunny, Breezy, Hot (°F)1402

Actual Time	Elapsed Time	Volts Purged (Gals)	Depth To Wtr (ft)	Depth Of Pump Intake (ft)	Temp (°C)	pH (s.s.)	Cond. (µmhos/cm)	Turbidity (NTU)	Other	Comment
1401		10	72.88	~80 ft	23.8	6.87	1080	4.24		
1414		20			23.7	6.90	1080	4.31		
1425		40			23.6	6.89	1080	3.30		
1438		60			23.7	6.89	1080	3.43		
1450		80			23.7	6.89	1070	2.58		
1502		100			23.9	6.91	1070	2.56		Chlorine And Jomil At 150'
1515		120			23.8	6.96	1070	2.40		
1529		140			23.7	6.91	1070	1.60		
1532		150			23.7	6.91	1070	1.30		
1615		157			23.6	6.91	1080	16.76		Post Sample Gals

* All Depths in Feet Below Ref. Point on Wellhead - generally Top of Casing (TOC)

DTW = Depth To Water LNAPL/DNAPL = Light or Dense Non-Aqueous Phase Liquid

REV. DATE: MAY 19

MONITORING WELL SAMPLING LOG

Sample ID No: MWS-01-02WELL NO: MWS-01Installation: Sky Harbor AreaSite: PACIFIC POWERHAZWRAP Contractor: IT CorporationProject No.: 409321.03.02Sample Start (Date) 6/25/91 (Time) 1555Sample End (Date) 6/25/91 (Time) 1615Sampled by: Gardner / SamuelsOrig. SWL: 72.98 ft BTOC* Final SWL: 72.90 ft BTOCScreen Interval: 50 - 100 ft BTOC

Temp	pH	Cond.	Turbidity
23.6	6.91	1000	16.76

Are parameters 20%
of purge values? Y/N (Except Turbidity)Repurge Y/N

No. repurge volumes: _____

Sampling Method:

 Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailor ☒ SS ☐
 Ter ☒ Centrifugal Pump ☐
 PVC ☐
Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other _____

Sampling Equipment (Make, Model, etc.) _____

Sample Equipment Decon'd? Y/N

If pump or discrete bailer; Depth(s) where pump set: _____ ft BTOC

Weather: Sunny, Breezy, Hot (~ °F)

Lab Analyses: (Circle)

VOA SVOA METALS PEST/PCBS TPH CATIONS ANIONS TC
 Others: Vinyl Chloride, Nitrate/Nitrite, TOPb
Metals: (Circle) Filtered Unfiltered BothField Dups: Y/NReferee Dups: Y/N

Comments:

Sample AWS-01-02 Collected at 1555 HoursComposite groundwater sample RL-BASO Collected at 1630 Hours
 *BTOC = Below Top of Casing (or other measurement reference point)
 SWL = Static Water Level

REV. DATE: MAY 1990

MONITORING WELL PURGING LOG

Installation: Sky Harbor ANGHAZWOP Contractor: IT CorporationPurge Start: (Date) 6/29/91 (Time) 1016Purge End: (Date) 6/29/91 (Time) 1255Purged by: GARDINER / SANCHEZSample ID No.: ALWS-02-02WELL NO.: ALWS-02Site: San Juan WellProject No.: 409321-02-05Depth Measurement Ref. Point: T.O.C. Well Csg ID: 2" 4 6" Other _____Well Hdspace/OD: ~0.4 ft (4 in. PI-10) LNAPL Check (Y/N) DNAPL Check (Y/N) N

Equipment Used To Measure Thickness and Sample Free Product (Make, Model, etc.)

SOLINST INTERPRET PROBE MODELDepth to Top and Bottom of Screen Interval: ~50-100 ftDepth to LNAPL: ALODepth to DNAPL: N/A Orig. DTW: 70.99 Final DTW: N/A - MonLNAPL/DNAPL Thickness: NDLNAPL/DNAPL Sample and Volume: NAMeasured Well TD: 99.89(-) Orig. DTW: 70.99

(-) Wtr Col. Thick: 28.9 (x) 2" - 0.16 4" - 0.65 6" - 1.47 ~10" - 1.91 Gals/ft (-) 55.2 Gals/Csg Vol. (x) 3 Csg Vol. (-) ~156 Total Purge Gals.

Purge Method:

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailor ☐ ☐ SS ☐ Tef ☐ Centrifugal Pump ☐ PVC ☐

Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☒ Other _____Purging Equipment (Make, Model, etc.) BENNETT MODEL 1800 Purge Equipment Decon'd? (Y/N)Purge Wtr Containerized? (Y/N) Ave Purge Rate: ~ 2 gpmWeather: Sunny, Breezy, Hot (100 °F)

1016

Actual Time	Elapsed Time	Volts Purged (Gals)	Depth To Wtr (ft)	Depth Of Pump Intake (ft)	Temp (°C)	pH (s.a)	Cond (µmhos/cm)	Turbidity (NTU)	Other	Comment
1024		10	70.99	~80 ft	23.5	7.16	1160	0.28		
1029		20			23.4	7.12	1160	0.51		
1041		40			23.3	7.11	1160	0.93		
1053		60			23.3	7.12	1170	0.51		
1105		80			23.3	7.12	1160	0.91		
1116		100			23.4	7.12	1170	0.40		1117 - Sp. Temp. Check
1129		120			23.4	7.10	1170	0.54		
1141		140			23.4	7.14	1170	0.44		
1154		160			23.4	7.12	1170	0.48		
1255		165			23.7	7.14	1130	57.4		POST-SAMPLE GALS

* All Depths in Feet Below Ref. Point on Wellhead - generally Top of Casing (TOC)

DTW = Depth To Water LNAPL/DNAPL = Light or Dense Non-Aqueous Phase Liquid

Sgt - ALD

REV. DATE: MAY 19

MONITORING WELL SAMPLING LOG

Sample ID No: MUS-02-02WELL NO: MUS-02Installation: Six House AreaSite: Baraboo AreaHAZWRAP Contractor: IT CorporationProject No.: 409321.02.05Sample Start (Date) 6/29/91 (Time) 1220Sample End (Date) 6/29/91 (Time) 1255Sampled by: Gardner / SamuelsOrig. SWL: 30.99 ft BTOC* Final SWL: N/A - water out ft BTOCScreen Interval: ~ 50 - 100 ft BTOC

Temp	pH	Cond.	Turbidity
23.9	7.14	115	59.4

Are parameters 20%
of purge values? Y/N (Except Turbidity)Repurge Y/N

No. repurge volumes: _____

Sampling Method:

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Baller ☒ SS ☐
Tef ☒ Centrifugal Pump ☐
PVC ☐Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other _____

Sampling Equipment (Make, Model, etc.) _____

Sample Equipment Decon'd? Y/N

If pump or discrete baller; Depth(s) where pump set: _____ ft BTC

Weather: SUNNY, BREEZY, HOT ($\approx 105^{\circ}\text{F}$)

Lab Analyses: (Circle)

VOA VOA SVOA METALS PEST/PCBS TPH CATIONS ANIONS TDS
Others: VINYL CHLORIDE; NITRATE/NITRITE; TOPbMetals (Circle) Filtered Unfiltered BothField Dups: Y/NReferee Dups: Y/N

Comments:

Sample MUS-02-02 Collected at 1220 Hours.
Field Duplicate Sample Collected at 1240 Hours.
MUS-02-02-Dup Collected at 1240 Hours.*BTOC = Below Top of Casing (or other measurement reference point)
SWL = Static Water Level

REV. DATE: MAY 1990

MONITORING WELL PURGING LOG		Sample ID No: <u>MWS-03-02</u>
Installation: <u>Sky Harbor ANG</u>		Well No: <u>MWS-03</u>
HAZWRAP Contractor: <u>IT Corporation</u>		Site: <u>Barracks Well</u>
Purge Start: (Date) <u>6/27/91</u> (Time) <u>0635</u>	Purge End: (Date) <u>6/29/91</u> (Time) <u>0900</u>	Project No: <u>409721-02-05</u>
Purged by: <u>GARDINER / SANCHEZ</u>		

Depth Measurement Ref. Point: T.O.C. Well Csg ID: 2" 4 6" Other _____
 Well Hdspace/Odor: 11.0cm (Max 12-100) LNAPL Check (Y/N) DNAPL Check (Y/N) N
 Equipment Used To Measure Thickness and Sample Free Product (Make, Model, etc.)

SOLINET INTERACTIVE PROBE MODEL

Depth to Top and Bottom of Screen Interval: 50/100 ft.
 Depth to LNAPL: ND Depth to DNAPL: NA Orig. DTW: 72.30 Final DTW: NA - Meter -
 LNAPL/DNAPL Thickness: ND LNAPL/DNAPL Sample and Volume: NA Probing
 Measured Well TD: 99.80
 (-) Orig. DTW: 72.30

(-) Wtr Col. Thick: 27.5 (x) 2" - 0.16 Gals/ft (=) 52.5 Gals/Csg Vol. (x) 3 Csg Vol. (=) 158 Total
4" - 0.65 6" - 1.47 8" - 1.91 10" - 1.91 12" - 1.91 14" - 1.91 16" - 1.91 18" - 1.91 20" - 1.91 22" - 1.91 24" - 1.91 26" - 1.91 28" - 1.91 30" - 1.91 32" - 1.91 34" - 1.91 36" - 1.91 38" - 1.91 40" - 1.91 42" - 1.91 44" - 1.91 46" - 1.91 48" - 1.91 50" - 1.91 52" - 1.91 54" - 1.91 56" - 1.91 58" - 1.91 60" - 1.91 62" - 1.91 64" - 1.91 66" - 1.91 68" - 1.91 70" - 1.91 72" - 1.91 74" - 1.91 76" - 1.91 78" - 1.91 80" - 1.91 82" - 1.91 84" - 1.91 86" - 1.91 88" - 1.91 90" - 1.91 92" - 1.91 94" - 1.91 96" - 1.91 98" - 1.91 100" - 1.91 102" - 1.91 104" - 1.91 106" - 1.91 108" - 1.91 110" - 1.91 112" - 1.91 114" - 1.91 116" - 1.91 118" - 1.91 120" - 1.91 122" - 1.91 124" - 1.91 126" - 1.91 128" - 1.91 130" - 1.91 132" - 1.91 134" - 1.91 136" - 1.91 138" - 1.91 140" - 1.91 142" - 1.91 144" - 1.91 146" - 1.91 148" - 1.91 150" - 1.91 152" - 1.91 154" - 1.91 156" - 1.91 158" - 1.91 160" - 1.91 162" - 1.91 164" - 1.91 166" - 1.91 168" - 1.91 170" - 1.91 172" - 1.91 174" - 1.91 176" - 1.91 178" - 1.91 180" - 1.91 182" - 1.91 184" - 1.91 186" - 1.91 188" - 1.91 190" - 1.91 192" - 1.91 194" - 1.91 196" - 1.91 198" - 1.91 200" - 1.91 202" - 1.91 204" - 1.91 206" - 1.91 208" - 1.91 210" - 1.91 212" - 1.91 214" - 1.91 216" - 1.91 218" - 1.91 220" - 1.91 222" - 1.91 224" - 1.91 226" - 1.91 228" - 1.91 230" - 1.91 232" - 1.91 234" - 1.91 236" - 1.91 238" - 1.91 240" - 1.91 242" - 1.91 244" - 1.91 246" - 1.91 248" - 1.91 250" - 1.91 252" - 1.91 254" - 1.91 256" - 1.91 258" - 1.91 260" - 1.91 262" - 1.91 264" - 1.91 266" - 1.91 268" - 1.91 270" - 1.91 272" - 1.91 274" - 1.91 276" - 1.91 278" - 1.91 280" - 1.91 282" - 1.91 284" - 1.91 286" - 1.91 288" - 1.91 290" - 1.91 292" - 1.91 294" - 1.91 296" - 1.91 298" - 1.91 300" - 1.91 302" - 1.91 304" - 1.91 306" - 1.91 308" - 1.91 310" - 1.91 312" - 1.91 314" - 1.91 316" - 1.91 318" - 1.91 320" - 1.91 322" - 1.91 324" - 1.91 326" - 1.91 328" - 1.91 330" - 1.91 332" - 1.91 334" - 1.91 336" - 1.91 338" - 1.91 340" - 1.91 342" - 1.91 344" - 1.91 346" - 1.91 348" - 1.91 350" - 1.91 352" - 1.91 354" - 1.91 356" - 1.91 358" - 1.91 360" - 1.91 362" - 1.91 364" - 1.91 366" - 1.91 368" - 1.91 370" - 1.91 372" - 1.91 374" - 1.91 376" - 1.91 378" - 1.91 380" - 1.91 382" - 1.91 384" - 1.91 386" - 1.91 388" - 1.91 390" - 1.91 392" - 1.91 394" - 1.91 396" - 1.91 398" - 1.91 400" - 1.91 402" - 1.91 404" - 1.91 406" - 1.91 408" - 1.91 410" - 1.91 412" - 1.91 414" - 1.91 416" - 1.91 418" - 1.91 420" - 1.91 422" - 1.91 424" - 1.91 426" - 1.91 428" - 1.91 430" - 1.91 432" - 1.91 434" - 1.91 436" - 1.91 438" - 1.91 440" - 1.91 442" - 1.91 444" - 1.91 446" - 1.91 448" - 1.91 450" - 1.91 452" - 1.91 454" - 1.91 456" - 1.91 458" - 1.91 460" - 1.91 462" - 1.91 464" - 1.91 466" - 1.91 468" - 1.91 470" - 1.91 472" - 1.91 474" - 1.91 476" - 1.91 478" - 1.91 480" - 1.91 482" - 1.91 484" - 1.91 486" - 1.91 488" - 1.91 490" - 1.91 492" - 1.91 494" - 1.91 496" - 1.91 498" - 1.91 500" - 1.91 502" - 1.91 504" - 1.91 506" - 1.91 508" - 1.91 510" - 1.91 512" - 1.91 514" - 1.91 516" - 1.91 518" - 1.91 520" - 1.91 522" - 1.91 524" - 1.91 526" - 1.91 528" - 1.91 530" - 1.91 532" - 1.91 534" - 1.91 536" - 1.91 538" - 1.91 540" - 1.91 542" - 1.91 544" - 1.91 546" - 1.91 548" - 1.91 550" - 1.91 552" - 1.91 554" - 1.91 556" - 1.91 558" - 1.91 560" - 1.91 562" - 1.91 564" - 1.91 566" - 1.91 568" - 1.91 570" - 1.91 572" - 1.91 574" - 1.91 576" - 1.91 578" - 1.91 580" - 1.91 582" - 1.91 584" - 1.91 586" - 1.91 588" - 1.91 590" - 1.91 592" - 1.91 594" - 1.91 596" - 1.91 598" - 1.91 600" - 1.91 602" - 1.91 604" - 1.91 606" - 1.91 608" - 1.91 610" - 1.91 612" - 1.91 614" - 1.91 616" - 1.91 618" - 1.91 620" - 1.91 622" - 1.91 624" - 1.91 626" - 1.91 628" - 1.91 630" - 1.91 632" - 1.91 634" - 1.91 636" - 1.91 638" - 1.91 640" - 1.91 642" - 1.91 644" - 1.91 646" - 1.91 648" - 1.91 650" - 1.91 652" - 1.91 654" - 1.91 656" - 1.91 658" - 1.91 660" - 1.91 662" - 1.91 664" - 1.91 666" - 1.91 668" - 1.91 670" - 1.91 672" - 1.91 674" - 1.91 676" - 1.91 678" - 1.91 680" - 1.91 682" - 1.91 684" - 1.91 686" - 1.91 688" - 1.91 690" - 1.91 692" - 1.91 694" - 1.91 696" - 1.91 698" - 1.91 700" - 1.91 702" - 1.91 704" - 1.91 706" - 1.91 708" - 1.91 710" - 1.91 712" - 1.91 714" - 1.91 716" - 1.91 718" - 1.91 720" - 1.91 722" - 1.91 724" - 1.91 726" - 1.91 728" - 1.91 730" - 1.91 732" - 1.91 734" - 1.91 736" - 1.91 738" - 1.91 740" - 1.91 742" - 1.91 744" - 1.91 746" - 1.91 748" - 1.91 750" - 1.91 752" - 1.91 754" - 1.91 756" - 1.91 758" - 1.91 760" - 1.91 762" - 1.91 764" - 1.91 766" - 1.91 768" - 1.91 770" - 1.91 772" - 1.91 774" - 1.91 776" - 1.91 778" - 1.91 780" - 1.91 782" - 1.91 784" - 1.91 786" - 1.91 788" - 1.91 790" - 1.91 792" - 1.91 794" - 1.91 796" - 1.91 798" - 1.91 800" - 1.91 802" - 1.91 804" - 1.91 806" - 1.91 808" - 1.91 810" - 1.91 812" - 1.91 814" - 1.91 816" - 1.91 818" - 1.91 820" - 1.91 822" - 1.91 824" - 1.91 826" - 1.91 828" - 1.91 830" - 1.91 832" - 1.91 834" - 1.91 836" - 1.91 838" - 1.91 840" - 1.91 842" - 1.91 844" - 1.91 846" - 1.91 848" - 1.91 850" - 1.91 852" - 1.91 854" - 1.91 856" - 1.91 858" - 1.91 860" - 1.91 862" - 1.91 864" - 1.91 866" - 1.91 868" - 1.91 870" - 1.91 872" - 1.91 874" - 1.91 876" - 1.91 878" - 1.91 880" - 1.91 882" - 1.91 884" - 1.91 886" - 1.91 888" - 1.91 890" - 1.91 892" - 1.91 894" - 1.91 896" - 1.91 898" - 1.91 900" - 1.91 902" - 1.91 904" - 1.91 906" - 1.91 908" - 1.91 910" - 1.91 912" - 1.91 914" - 1.91 916" - 1.91 918" - 1.91 920" - 1.91 922" - 1.91 924" - 1.91 926" - 1.91 928" - 1.91 930" - 1.91 932" - 1.91 934" - 1.91 936" - 1.91 938" - 1.91 940" - 1.91 942" - 1.91 944" - 1.91 946" - 1.91 948" - 1.91 950" - 1.91 952" - 1.91 954" - 1.91 956" - 1.91 958" - 1.91 960" - 1.91 962" - 1.91 964" - 1.91 966" - 1.91 968" - 1.91 970" - 1.91 972" - 1.91 974" - 1.91 976" - 1.91 978" - 1.91 980" - 1.91 982" - 1.91 984" - 1.91 986" - 1.91 988" - 1.91 990" - 1.91 992" - 1.91 994" - 1.91 996" - 1.91 998" - 1.91 1000" - 1.91

Purge Method:
 Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailor ☐ Tef ☐ Centrifugal Pump ☐
 PVC ☐
 Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☒ Other _____
 Purging Equipment (Make, Model, etc.) BEANETT MODEL 1800 Purge Equipment Decon'd? (Y/N)

Purge Wtr Containerized? (Y/N) Avege Purge Rate: 2 gpm
 Weather: Sunny, Breezy, Hot (Warm) (85 °F)
0635

Actual Time	Elapsed Time	Volts Purged (Gals)	Depth To Wtr (ft)	Depth Of Pump Intake (ft)	Temp (°C)	pH (s.a)	Cond. (µmhos/cm)	Turbidity (NTU)	Other	Comment
0647		10	72.30	72.30	22.6	7.15	1170	1.49		
0648		20			22.6	7.11	1180	0.99		
0700		40			22.5	7.05	1180	0.81		
0711		60			22.5	7.08	1170	1.04		
0713		80			22.6	7.10	1190	0.53		926 - Large Crystals
0726		100			22.7	7.10	1190	0.50		
0748		120			22.5	7.10	1190	0.68		
0800		140			22.5	7.11	1190	0.74		
0812		160			22.5	7.10	1190	0.73		
0800		163			22.7	7.03	1160	97.5		Post-Sample Cond

* All Depths in Feet Below Ref. Point on Wellhead - generally Top of Casing (TOC)
 DTW = Depth To Water LNAPL/DNAPL = Light or Dense Non-Aqueous Phase Liquid

0635 - SAT. A.M. 7

REV. DATE: MAY 19

MONITORING WELL SAMPLING LOG

Sample ID No: MWS-03-02

WELL NO: MWS-03

Installation: Sky Harbor Airfield

Site: Background Well

HAZWRAP Contractor: IY Corporation

Project No: 409321.02.05

Sample Start (Date) 6/29/01 (Time) 0835

Sample End (Date) 6/29/01 (Time) 0900

Sampled by: GARDNER / SAMUELSON

Orig. SWL: 72.30 ft BTOC* Final SWL: N/A - ALTERNATE PUMP PROBLEM ft BTOC
 Screen Interval: 50 - 100 ft BTOC

Temp	pH	Cond.	Turbidity
22.7	7.03	1160	97.5

Are parameters 20%
 of purge values? Y/N (Except Turbidity)

Repurge Y/N

No. repurge volumes: _____

Sampling Method:

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Baller ☒ SS ☐
 Tef ☒ Centrifugal Pump ☐
 PVC ☐

Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other _____

Sampling Equipment (Make, Model, etc.) _____

Sample Equipment Decon'd? Y/N

If pump or discrete baller; Depth(s) where pump set: _____ ft BTOC

Weather: Sunny, Breezy, Hot/Warm (≈ 90 °F)

Lab Analyses: (Circle)

VOA ☒ SVOA ☒ METALS ☒ PEST/PCBS ☒ TPH ☒ CATIONS ☐ ANIONS ☐ TDS ☐
 Others: Volatile Compounds, Nitrate/Nitrite, TOC

Metals: (Circle) Filtered ☒ Unfiltered ☐ Both ☐

Field Dups: Y/N

Reference Dups: Y/N

Comments:

Sample MWS-03-02 Collected at 0835 Hours

*BTOC = Below Top of Casing (or other measurement reference point)
 SWL = Static Water Level

REV. DATE: MAY 1990

MONITORING WELL PURGING LOG		Sample ID No.: <u>MWS-04-02</u>
Installation: <u>Sky Harbor ANG</u>		Well No.: <u>MWS-04</u>
HAZWRAP Contractor: <u>IT Corporation</u>		Site: <u>Back Bay Area Well</u>
Purge Start: (Date) <u>6/29/91</u> (Time) <u>0920</u>	Purge End: (Date) <u>6/29/91</u> (Time) <u>01130</u>	Project No.: <u>409721.02.05</u>
Purged by: <u>GARDNER / SANCHEZ</u>		

Depth Measurement Ref. Point: T.O.C. Well Csg ID: 2" 4 6" Other _____
 Well Hdspace/Odor: ~72 cm (HWS-10) LNAPL Check (Y/N) DNAPL Check (Y/N) N
 Equipment Used To Measure Thickness and Sample Free Product (Make, Model, etc)

SOLINET INTERACTIVE PROBE MODEL

Depth to Top and Bottom of Screen Interval ~ 80-100 ft.
 Depth to LNAPL: ND Depth to DNAPL: NA Orig. DTW: 72.45 Final DTW: 72.77
 LNAPL/DNAPL Thickness ND LNAPL/DNAPL Sample and Volume: NA
 Measured Well TD: 99.82
 (-) Orig. DTW: 72.45

(-) Wtr Col. Thick: 27.37 (x) 2" - 0.16 4" - 0.65 6" - 1.47 ~ 12" - 1.91
 Gals/ft (=) 52.3 Gals/Csg Vol. (x) 3 Csg Vol. (=) ~ 152 Total Purge Gals.

Purge Method:

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Baller ☐ Tef ☐ Centrifugal Pump ☐
 PVC ☐

Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/Displacement Pump ☒ Other _____

Purging Equipment (Make, Model, etc.) BEANETT MODEL 1800 Purge Equipment Decon'd? (Y/N)

Purge Wtr Containerized? (Y/N) Aveg Purge Rate: ~ 2 gpm
 Weather: SUNNY, BREEZY, HOT (~ 95°F)
0920

Actual Time	Elapsed Time	Vois Purged (Gals)	Depth To Wtr (ft)	Depth Of Pump Intake (ft)	Temp (°C)	pH (s.a)	Cond (umhos/cm)	Turbidity (NTU)	Other	Comment
0920		15	72.45	~ 80 ft.	23.3	7.02	1120	1.50		
0936		30			23.1	7.16	1180	0.82		
0947		50			22.0	7.08	1180	1.33		
1000		70			23.0	7.10	1180	0.98		
1011		90			23.0	7.13	1180	1.25		1021 - <u>Complete</u>
1024		110			23.1	7.01	1180	0.29		
1038	135	125			23.1	7.13	1180	1.43		
1057		150			23.0	7.12	1180	0.92		
1056		155			23.0	7.13	1180	0.62		
1130		158			23.5	7.07	1190	26.7		Pos. Sample Cont.

* All Depths in Feet Below Ref. Point on Wellhead - generally Top of Casing (TOC)
 DTW = Depth To Water LNAPL/DNAPL = Light or Dense Non-Aqueous Phase Liquid

REV. DATE: MAY 1995

MONITORING WELL SAMPLING LOG

Installation: SKY HARBOR AREAHAZWRAP Contractor: IT CORPORATIONSample Start: (Date) 6/28/91 (Time) 1115Sample End: (Date) 6/28/91 (Time) 1130Sampled by: GARDNER / SAMUELSample ID No.: MWS-04-02WELL NO.: MWS-04Site: BARBERS PT. LAGOONProject No.: 409321.02.02Orig. SWL: 72.45 ft BTOC* Final SWL: 72.91 ft BTOCScreen Interval: ~ 50 - 100 ft BTOC

Temp	pH	Cond.	Turbidity
<u>23.3</u>	<u>8.07</u>	<u>190</u>	<u>26.9</u>

Are parameters 20%
of purge values? Y/N (EXCEPT TURBIDITY)Repurge Y/N

No. repurge volumes: _____

Sampling Method:

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Baller ☒ SS ☐
Ter ☒ Centrifugal Pump ☐
PVC ☐Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other _____

Sampling Equipment (Make, Model, etc.) _____

Sample Equipment Decon'd? Y/N

If pump or discrete baller; Depth(s) where pump set: _____ ft BTO

Weather: SUNNY, BREEZE, HOT (~ 95 °F)

Lab Analyses: (Circle)

☒ VOA ☒ SVOA METALS PEST/PCBS ☒ TPH CATIONS ANIONS TDS
 Others: VINYL CHLORIDE; TDPH

Metals: (Circle) Filtered Unfiltered Both

Field Dups: Y/N Referee Dups: Y/N

Comments:

SAMPLE MWS-04-02 COLLECTED AT 1115 HOURS

*BTOC = Below Top of Casing (or other measurement reference point)

SWL = Static Water Level

REV. DATE: MAY 1990

MONITORING WELL PURGING LOG		Sample ID No: <u>PS-02-02</u>
Installation: <u>SEY Harbor ANG</u>		Well No: <u>PS-02</u>
HAZWRAP Contractor: <u>TY Corporation</u>		Site: <u>Bacon Ground Piecedrill</u>
Purge Start: (Date) <u>6/30/91</u> (Time) <u>0730</u>	Purge End: (Date) <u>6/30/91</u> (Time) <u>1720</u>	Project No: <u>409721.02.05</u>
Purged by: <u>GARDINER / SAWYER</u>		

Depth Measurement Ref. Point: T.O.C. Well Csg ID: 2" (4) 6" Other _____
 Well Hdspace/Odor: ~50m (4m PI-10) LNAPL Check (Y/N) DNAPL Check (Y/N) NA
 Equipment Used To Measure Thickness and Sample Free Product (Make, Model, etc)

SOLINET INTERPRETATION MODEL

Depth to Top and Bottom of Screen Interval ~50-100 ft.
 Depth to LNAPL: ND Depth to DNAPL: NA Orig. DTW: 71.40 Final DTW: NA / 100m
 LNAPL/DNAPL Thickness ND LNAPL/DNAPL Sample and Volume: NA

Measured Well TD: 99.86

(-) Orig. DTW: NA 99.86

(-) Wtr Col. Thick: 28.46 (x) Gals/ft (= 54.4) Gals/Csg Vol. (x) 3 Csg Vol. (=) 163 Total Purge Gals.
 2" - 0.16
 4" - 0.65
 6" - 1.47
~10" - 1.91

Purge Method:

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Baller ☒ SS ☐
 Ter ☐ Centrifugal Pump ☐
 PVC ☒

Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/Displacement Pump ☒ Other _____

Purging Equipment (Make, Model, etc.) Baker Model 1200 Purge Equipment Decon'd? (Y/N)

Purge Wtr Containerized? (Y/N) Aveg Purge Rate: ~2 NA gpm

Weather: Sunny, Breeze, Hot (e 95°F)

Actual Time	Elapsed Time	Volts Purged (Gals)	Depth To Wtr (ft)	Depth Of Pump Intake (ft)	Temp (°C)	pH (s.a)	Cond (µmhos/m)	Turbidity (NTs)	Other	Comment
0750		5	71.40	NA	22.1	6.68	1230	127.7		
0815		10			22.2	6.90	1240	181.2		
0826		25			22.2	6.90	1250	NA (2000)		
0855		20			22.3	6.90	1250	2000		
0914		25			22.2	6.76	1240	7300		
0959		35			22.3	6.97	1260	93.1		
1026		45			22.3	6.97	1250	7207		
1101		55			22.3	6.98	1240	7300		
1120		57			22.6	6.98	1250	7200		Post Sample Gals

* All Depths in Feet Below Ref. Point on Wellhead - generally Top of Casing (TOC)
 DTW = Depth To Water LNAPL/DNAPL = Light or Dense Non-Aqueous Phase Liquid

REV. DATE: MAY 199

MONITORING WELL SAMPLING LOG

Installation: SKY HARBOR AFBHAZWAP Contractor: IT ConstructionSample Start: (Date) 6/30/91 (Time) 1110Sampled by: GARDNER / SAMUELSONSample ID No.: PS-02-02WELL NO.: PS-02Site: BREMEN PIERProject No.: 409321.02.05Sample End: (Date) 6/30/91 (Time) 1120Orig. SWL: 31.40 ft BTOC* Final SWL: N/A (near out) ft BTOCScreen Interval: ~ 50 - 100 ft BTOC

Temp	pH	Cond.	Turbidity
<u>22.6</u>	<u>6.98</u>	<u>1150</u>	<u>> 200</u>

Are parameters 20%
of purge values? (Y)/N

Repurge Y/N

No. repurge volumes: _____

Sampling Method:

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailor ☒ SS ☐
Ter ☒ Centrifugal Pump ☐
PVC ☐Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other _____

Sampling Equipment (Make, Model, etc.) _____

Sample Equipment Decon'd? (Y)/N

If pump or discrete bailer; Depth(s) where pump set: _____ ft BTOC

Weather: SWAMPY, BREEZY, HOT (~ 105 °F)

Lab Analyses: (Circle)

(VOA) (SVOA) METALS PEST/PCBS (TPH) CATIONS ANIONS TDSOthers: VINYL CHLORIDE ; TO Pb

Metals: (Circle) Filtered Unfiltered Both

Field Dups: Y/N Reference Dups: Y/N

Comments:

PS-02-02
SAMPLE PS-02-02 COLLECTED AT 1110 HOURS
RINOSATE QC-EP 35 COLLECTED AT 1130 HOURS
PURGE VOLUME WAS BASED ON APPROX ONE WELL VOLUME PER VARIANCE
APPROX BY HAZWAP - THIS IS DUE TO SMALL DIAMETER OF PIERCEMENT (~2")
TO QUICKLY ESTABLISH FRESH PARAMETERS (BASED ON 1-INCH I.D. PIPES)

*BTOC = Below Top of Casing (or other measurement reference point)

SWL = Static Water Level

REV. DATE: MAY 1990

MONITORING WELL PURGING LOG

Sample ID No: MW1-02-02

WELL NO.: MW1-02

Installation Sky Harbor ANG

Site: 1

HAZWRAP Contractor: IT Corporation

Project No.: 409721.02.05

Purge Start: (Date) 6/25/91 (Time) 0830 Purge End: (Date) 6/25/91 (Time) 1210

Purged by: GARDINER / SANCHEZ

Depth Measurement Ref. Point* T.O.C. Well Csg ID: 2" (4) 6" Other _____
 Well Hdspace/Odor: 40.2 cm (15.8") (PE-101) LNAPL Check (Y/N) DNAPL Check (Y/N) N
 Equipment Used To Measure Thickness and Sample Free Product (Make, Model, etc)

SOLINET INTERACTIVE PROBE MODEL

Depth to Top and Bottom of Screen Interval 50/100 ft
 Depth to LNAPL: ND Depth to DNAPL: NA Orig. DTW: 73.34 Final DTW: 73.40

LNAPL/DNAPL Thickness ND LNAPL/DNAPL Sample and Volume: NAMeasured Well TD: 99.32(-) Orig. DTW: 73.34

(-) Wtr Col. Thick: 25.98(x) 2" - 0.16 4" - 0.65 6" - 1.47 10" - 1.91 Gals/ft (=) 49.6 Gals/Csg Vol. (x) 3 Csg Vol. (=) ~149 Total Purge Gals.
 1
2
3
4
5

Purge Method:

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailor ☐ SS ☐ Ter ☐ Centrifugal Pump ☐ PVC ☐Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☒ Other _____Purging Equipment (Make, Model, etc.) BENNETT MODEL 1800 Purge Equipment Decon'd? (Y/N)Purge Wtr Containerized? (Y/N) Avg Purge Rate: ~ 2 gpmWeather: Sunny, Breezy, Hot (if 100 °F)

Actual Time	Elapsed Time	Vol. Purged (Gals)	Depth To Wtr (ft)	Depth Of Pump Intake (ft)	Temp (°C)	pH (s.s.)	Cond. (µmhos/cm)	Turbidity (NTU)	Other	Comment
0830	2 Sec		73.34	~80.4	NA					Empty container at 0935 - L. can. A.R.L.
1018	7	10			23.7	6.90	1130	0.45		Purge at 1010
1023		20			23.5	7.02	1130	0.48		
1035		40			23.5	7.03	1130	0.51		
1049		60			23.6	7.05	1130	0.56		
1100		80			23.5	7.02	1130	0.34		
1114		100			23.6	6.99	1130	0.34		1104 - CH. can. CONTINUING
1126		120			23.5	7.03	1130	0.32		
1137		140			23.5	6.99	1130	0.31		
1143		150			23.5	7.00	1130	0.30		
1210		160			23.8	7.01	1150	0.401		1200 - Sample 1210 - Gals Sample

* All Depths in Feet Below Ref. Point on Wellhead - generally Top of Casing (TOC)

DTW = Depth To Water LNAPL/DNAPL = Light or Dense Non-Aqueous Phase Liquid

REV. DATE: MAY 199

MONITORING WELL SAMPLING LOG

Sample ID No: MW1-02-02

WELL NO: MW1-02

Installation: Sky Harbor Airfield

Site: 1

HAZWRAP Contractor: JT Corporation

Project No.: 409321.02.05

Sample Start (Date): 6/25/91 (Time): 1200

Sample End (Date): 6/25/91 (Time): 1210

Sampled by: GARDNER / SAMUELSON

Orig. SWL: 73.34 ft BTOC* Final SWL: 73.40 ft BTOC

Screen Interval: 50 - 100 ft BTOC

Temp	pH	Cond.	Turbidity
23.7	7.01	1150	4.81

Are parameters 20%
of purge values? Y N (EXCEPT TURBIDITY)Repurge Y N

No. repurge volumes: _____

Sampling Method:

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailer ☒ SS ☐
Tef ☒ Centrifugal Pump ☐
PVC ☐Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other _____

Sampling Equipment (Make, Model, etc.) _____

Sample Equipment Decon'd? Y N

If pump or discrete bailer; Depth(s) where pump set: _____ ft BTOC

Weather: SWAMPY, BREEZY, HOT (≈ 100 °F)

Lab Analyses: (Circle)

VOA SVOA METALS PEST/PCBS TDH CATIONS ANIONS TDSOthers: VINYL CHLORIDE

Metals: (Circle) Filtered Unfiltered Both

Field Dups: Y NReferee Dups: Y N

Comments:

Sample MW1-02-02 Collected at 1200 Hours

*BTOC = Below Top of Casing (or other measurement reference point)

SWL = Static Water Level

REV. DATE: MAY 1990

MONITORING WELL PURGING LOG

Sample ID No: MW2-02-02

WELL NO: MW2-02

Installation Sky Harbor ANG

Site: 2

HAZWRAP Contractor: IT Corporation

Project No: 409721-02-05

Purge Start: (Date) 6/26/91 (Time) 1330 Purge End: (Date) 6/26/91 (Time) 1610

Purged by: GARDNER / SANDEEN

Depth Measurement Ref. Point: T.O.C. Well Csg ID: 2" (4) 6" Other _____
 Well Hdspace/Odor: ~0.2 ppm (yell fluid) LNAPL Check (Y/N) DNAPL Check (Y/N) N
 Equipment Used To Measure Thickness and Sample Free Product (Make, Model, etc)

SOLINET INTERACTIVE PROBE MODEL

Depth to Top and Bottom of Screen Interval 50 - 100 ft
 Depth to LNAPL: NP Depth to DNAPL: N/A Orig. DTW: 71.64 Final DTW: 126.5
 LNAPL/DNAPL Thickness N/A LNAPL/DNAPL Sample and Volume: N/A
 Measured Well TD: 99.86
 (-) Orig. DTW: 71.64

(-) Wtr Col. Thick: 28.22 (x) 2" - 0.16 4" - 0.65 6" - 1.47 ~ 10" - 1.91 Gals/ft (-) 53.4 Gals/Csg Vol. (x) 3 Csg Vol. (x) 182 Total Purge Gals.
1
2
3
4
5

Purge Method:

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Baller ☐ SS ☐ Centrifugal Pump ☐
 PVC ☐ Ter ☐

Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☒ Other _____Purging Equipment (Make, Model, etc.) BEAUMONT MODEL 1800 Purge Equipment Decon'd? (Y/N)Purge Wtr Containerized? (Y/N) Ave Purge Rate: ~ 2 gpmWeather: Sunny, Breezy, Hot (°F)

Actual Time	Elapsed Time	Vol. Purged (Gals)	Depth To Wtr (ft)	Depth Of Pump Intake (ft)	Temp (°C)	pH (s.s.)	Cond (µmhos/cm)	Turbidity (NTU)	Other	Comment
1337		10	71.64	~80 ft	23.0	6.99	1170	2.49		
1344		20			22.9	7.03	1180	2.09		
1355		40			22.8	7.05	1180	1.97		
1407		60			22.8	7.06	1190	1.55		
1419		80			22.8	7.04	1180	1.40		
1431		100			22.9	7.05	1180	1.33		1432 - Change and continue
1441		120			22.4	7.06	1180	1.98		
1455		140			22.7	7.06	1190	1.36		
1506		160			22.3	7.06	1180	1.40		
1610		166			23.0	7.01	1100	126.5		1610 - High level ending

* All Depths in Feet Below Ref. Point on Wellhead - generally Top of Casing (TOC)

DTW = Depth To Water LNAPL/DNAPL = Light or Dense Non-Aqueous Phase Liquid

REV. DATE: MAY 199

MONITORING WELL SAMPLING LOG

Sample ID No.: MW2-02-02

WELL NO.: MW2-02

Site: 2

Installation: Sky Harbor Air 6

HAZWRAP Contractor: IT Corporation

Project No.: 409321.02.05

Sample Start: (Date) 6/25/91 (Time) 1515 Sample End: (Date) 6/26/91 (Time) 1610

Sampled by: GARDNER / SAMUELA

Orig. SWL: 71.64 ft BTOC* Final SWL: \approx 71.8 ft BTOCScreen Interval: \sim 50 - \sim 100 ft BTOC

Temp	pH	Cond.	Turbidity
23.0	7.01	1100	126.5

Are parameters 20%
of purge values? ☒ Y ☐ N EXCEPT TURBIDITYRepurge Y/☒ N

No. repurge volumes: _____

Sampling Method:

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailor ☒ SS
 Ter ☒ Centrifugal Pump ☐
 PVC ☐

Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other _____

Sampling Equipment (Make, Model, etc.) _____

Sample Equipment Decon'd? ☒ Y/☐ N

If pump or discrete bailer; Depth(s) where pump set: _____ ft BTOC

Weather: SUNNY, BREEZY, HOT (\approx °F)

Lab Analyses: (Circle)

☒ VOA ☒ SVOA ☒ METALS ☐ PEST/PCBS ☒ TPH ☐ CATIONS ☐ ANIONS ☐ TDS

Others: VINYL CHLORIDEMetals: (Circle) ☒ Filtered ☐ Unfiltered ☐ BothField Dups: Y/☒ N Referee Dups: Y/☒ N

Comments:

SAMPLE MW2-02-02 COLLECTED AT 1515 HOURS.
ALSO COLLECTED MATRIX SPIKE (MW2-02-02-M) AT 1530 HOURS AND
MATRIX SPIKE DUPLICATE (MW2-02-02-MSD) AT 1545 HOURS FROM THE
SAME

*BTOC = Below Top of Casing (or other measurement reference point)

SWL = Static Water Level

REV. DATE: MAY 1990

MONITORING WELL PURGING LOG

Installation: Sky Harbor ANGHAZWRAP Contractor: IT CorporationPurge Start: (Date) 6/29/91 (Time) 1456Purge End: (Date) 6/29/91 (Time) 1700Purged by: GARDINER / SANCHEZSample ID No: MW3-01-02WELL NO.: MW3-01Site: 3Project No: 409721-02.05

Depth Measurement Ref. Point: T.O.C. Well Csg ID: 2" (4) 6" Other: _____
 Well Hdspace/Ordr: 56.22 (HWS-10) LNAPL Check (Y/N) DNAPL Check (Y/N) N
 Equipment Used To Measure Thickness and Sample Free Product (Make, Model, etc)

SOLINT INTERPRETATION MODEL

Depth to Top and Bottom of Screen Interval: ~50 - 100 ft
 Depth to LNAPL: ND Depth to DNAPL: NA Orig. DTW: 72.64 Final DTW: 72.90

LNAPL/DNAPL Thickness: ND LNAPL/DNAPL Sample and Volume: NAMeasured Well TD: 92.64(-) Orig. DTW: 72.64

(-) Wtr Col. Thick: 26.22 (x) 2" - 0.16 4" - 0.65 6" - 1.47
 Gals/ft (=) 56.2 Gals/Csg Vol. (x) 3 Csg Vol. (=) 168.6 Total Purge Gals.

Purge Method:

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Baller ☐ SS ☐ Centrifugal Pump ☐
 Tef ☐ PVC ☐

Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☒ Other: _____Purging Equipment (Make, Model, etc.) BENNETT MODEL 1800 Purge Equipment Decon'd? (Y/N)Purge Wtr Containerized? (Y/N) Aveg Purge Rate: ~ 2 gpmWeather: SUNNY, BREEZY, HOT (°F)

Actual Time	Elapsed Time	Vol. Purged (Gals)	Depth To Wtr (ft)	Depth Of Pump Intake (ft)	Temp (°C)	pH (s.a)	Cond. (µmhos/cm)	Turbidity (NTU)	Other	Comment
1503		10	72.64	~ 80 ft	23.6	7.01	1150	0.85		
1509		20			23.4	7.02	1150	0.82		
1521		40			23.4	7.02	1160	0.31		
1533		60			23.4	7.03	1170	0.41		
1545		80			23.3	7.02	1170	0.38		
1600		100			23.3	7.04	1180	0.57		
1611		120			23.2	7.04	1180	0.57		
1623		140			23.2	7.05	1170	0.87		
1631		155			23.3	7.03	1170	0.58		
1700		157			23.6	7.06	1150	10.54		POST-SOURCE GALS

* All Depths in Feet Below Ref. Point on Wellhead - generally Top of Casing (TOC)

DTW = Depth To Water LNAPL/DNAPL = Light or Dense Non-Aqueous Phase Liquid

SAC PM

REV. DATE: MAY 19

MONITORING WELL SAMPLING LOG

Installation: Sky Harbor Area

HAZWOP Contractor: IT Corporation

Sample Start (Date) 6/29/91 (Time) 1655

Sampled by: GARDNER / SAMUELSON

Sample ID No.: MW3-01-02

WELL NO.: MW3-01

Site: 3

Project No.: 409321.02.05

Sample End (Date) 6/29/91 (Time) 1700

Orig. SWL: 72.64 ft BTOC* Final SWL: 72.90 ft BTOC

Screen Interval: ~ 50 - 100 ft BTOC

Temp	pH	Cond.	Turbidity
23.6	7.06	1150	10.54

Are parameters 20%
of purge values? Y/N (except Turbidity)Repurge Y/N

No. repurge volumes: _____

Sampling Method:

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Baller ☒ SS ☐
 Ter ☒ Centrifugal Pump ☐
 PVC ☐

Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other _____

Sampling Equipment (Make, Model, etc.) _____

Sample Equipment Decon'd? Y/N

If pump or discrete baller; Depth(s) where pump set: _____ ft BTO

Weather: Sunny, Breezy, HOT (≈ 100°F)

Lab Analyzes: (Circle)

VOA SVOA METALS PEST/PCBS TPH CATIONS ANIONS TOC

Others: Volatile Compounds; TO Pb

Metals: (Circle) Filtered Unfiltered Both

Field Dups: Y/N Reference Dups: Y/N

Comments:

Sample MW3-01-02 collected at 1655 hours
Four replicate samples collected here at 1715 hours. (01-6234)

*BTOC = Below Top of Casing (or other measurement reference point)
 SWL = Static Water Level

REV. DATE: MAY 1990

MONITORING WELL PURGING LOG

Sample ID No: MW3-02-02

Installation Sky Harbor ANG

WELL NO: MW3-02

HAZWRAP Contractor: T Corporation

Site: 3

Project No: 409721-02-05

Purge Start: (Date) 6/20/91 (Time) 1310

Purge End: (Date) 6/20/91 (Time) 1530

Purged by: GARDINER / SANVEDA

Depth Measurement Ref. Point: T.O.C. Well Csg ID: 2" (4) 6" Other _____
 Well Hdspace/Odor: W1-Brem (Hwy/PS-10) LNAPL Check (Y/N) DNAPL Check (Y/N) N
 Equipment Used To Measure Thickness and Sample Free Product (Make, Model, etc)

SOLINOT INTERFERE PROBE MODEL

Depth to Top and Bottom of Screen Interval: ~ 80-100 ft
 Depth to LNAPL: ND Depth to DNAPL: NA Orig. DTW: 70.31 Final DTW: 70.50

LNAPL/DNAPL Thickness: ND LNAPL/DNAPL Sample and Volume: NAMeasured Well TD: 99.64(-) Orig. DTW: 70.31

(-) Wtr Col. Thick: 29.38 (x) 2" - 0.16 4" - 0.65 6" - 1.47 ~ 10" - 1.91 Gals/ft (=) 56.1 Gals/Csg Vol. (x) 3 Csg Vol. (=) ~ 168 Total Purge Gals.
 1
2
3
4
5

Purge Method:

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailor ☐ SS ☐ Centrifugal Pump ☐
 Tef ☐ PVC ☐

Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☒ Other _____Purging Equipment (Make, Model, etc.) BEANETT MODEL 1800 Purge Equipment Decon'd? (Y/N)Purge Wtr Containerized? (Y/N) Avege Purge Rate: ~ 2 gpmWeather: Sunny, Breezy, Hot (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (22) (23) (24) (25) (26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46) (47) (48) (49) (50) (51) (52) (53) (54) (55) (56) (57) (58) (59) (60) (61) (62) (63) (64) (65) (66) (67) (68) (69) (70) (71) (72) (73) (74) (75) (76) (77) (78) (79) (80) (81) (82) (83) (84) (85) (86) (87) (88) (89) (90) (91) (92) (93) (94) (95) (96) (97) (98) (99) (100) (101) (102) (103) (104) (105) (106) (107) (108) (109) (110) (111) (112) (113) (114) (115) (116) (117) (118) (119) (120) (121) (122) (123) (124) (125) (126) (127) (128) (129) (130) (131) (132) (133) (134) (135) (136) (137) (138) (139) (140) (141) (142) (143) (144) (145) (146) (147) (148) (149) (150) (151) (152) (153) (154) (155) (156) (157) (158) (159) (160) (161) (162) (163) (164) (165) (166) (167) (168) (169) (170) (171) (172) (173) (174) (175) (176) (177) (178) (179) (180) (181) (182) (183) (184) (185) (186) (187) (188) (189) (190) (191) (192) (193) (194) (195) (196) (197) (198) (199) (200) (201) (202) (203) (204) (205) (206) (207) (208) (209) (210) (211) (212) (213) (214) (215) (216) (217) (218) (219) (220) (221) (222) (223) (224) (225) (226) (227) (228) (229) (230) (231) (232) (233) (234) (235) (236) (237) (238) (239) (240) (241) (242) (243) (244) (245) (246) (247) (248) (249) (250) (251) (252) (253) (254) (255) (256) (257) (258) (259) (260) (261) (262) (263) (264) (265) (266) (267) (268) (269) (270) (271) (272) (273) (274) (275) (276) (277) (278) (279) (280) (281) (282) (283) (284) (285) (286) (287) (288) (289) (290) (291) (292) (293) (294) (295) (296) (297) (298) (299) (300) (301) (302) (303) (304) (305) (306) (307) (308) (309) (310) (311) (312) (313) (314) (315) (316) (317) (318) (319) (320) (321) (322) (323) (324) (325) (326) (327) (328) (329) (330) (331) (332) (333) (334) (335) (336) (337) (338) (339) (340) (341) (342) (343) (344) (345) (346) (347) (348) (349) (350) (351) (352) (353) (354) (355) (356) (357) (358) (359) (360) (361) (362) (363) (364) (365) (366) (367) (368) (369) (370) (371) (372) (373) (374) (375) (376) (377) (378) (379) (380) (381) (382) (383) (384) (385) (386) (387) (388) (389) (390) (391) (392) (393) (394) (395) (396) (397) (398) (399) (400) (401) (402) (403) (404) (405) (406) (407) (408) (409) (410) (411) (412) (413) (414) (415) (416) (417) (418) (419) (420) (421) (422) (423) (424) (425) (426) (427) (428) (429) (430) (431) (432) (433) (434) (435) (436) (437) (438) (439) (440) (441) (442) (443) (444) (445) (446) (447) (448) (449) (450) (451) (452) (453) (454) (455) (456) (457) (458) (459) (460) (461) (462) (463) (464) (465) (466) (467) (468) (469) (470) (471) (472) (473) (474) (475) (476) (477) (478) (479) (480) (481) (482) (483) (484) (485) (486) (487) (488) (489) (490) (491) (492) (493) (494) (495) (496) (497) (498) (499) (500) (501) (502) (503) (504) (505) (506) (507) (508) (509) (510) (511) (512) (513) (514) (515) (516) (517) (518) (519) (520) (521) (522) (523) (524) (525) (526) (527) (528) (529) (530) (531) (532) (533) (534) (535) (536) (537) (538) (539) (540) (541) (542) (543) (544) (545) (546) (547) (548) (549) (550) (551) (552) (553) (554) (555) (556) (557) (558) (559) (560) (561) (562) (563) (564) (565) (566) (567) (568) (569) (570) (571) (572) (573) (574) (575) (576) (577) (578) (579) (580) (581) (582) (583) (584) (585) (586) (587) (588) (589) (590) (591) (592) (593) (594) (595) (596) (597) (598) (599) (600) (601) (602) (603) (604) (605) (606) (607) (608) (609) (610) (611) (612) (613) (614) (615) (616) (617) (618) (619) (620) (621) (622) (623) (624) (625) (626) (627) (628) (629) (630) (631) (632) (633) (634) (635) (636) (637) (638) (639) (640) (641) (642) (643) (644) (645) (646) (647) (648) (649) (650) (651) (652) (653) (654) (655) (656) (657) (658) (659) (660) (661) (662) (663) (664) (665) (666) (667) (668) (669) (670) (671) (672) (673) (674) (675) (676) (677) (678) (679) (680) (681) (682) (683) (684) (685) (686) (687) (688) (689) (690) (691) (692) (693) (694) (695) (696) (697) (698) (699) (700) (701) (702) (703) (704) (705) (706) (707) (708) (709) (710) (711) (712) (713) (714) (715) (716) (717) (718) (719) (720) (721) (722) (723) (724) (725) (726) (727) (728) (729) (730) (731) (732) (733) (734) (735) (736) (737) (738) (739) (740) (741) (742) (743) (744) (745) (746) (747) (748) (749) (750) (751) (752) (753) (754) (755) (756) (757) (758) (759) (760) (761) (762) (763) (764) (765) (766) (767) (768) (769) (770) (771) (772) (773) (774) (775) (776) (777) (778) (779) (780) (781) (782) (783) (784) (785) (786) (787) (788) (789) (790) (791) (792) (793) (794) (795) (796) (797) (798) (799) (800) (801) (802) (803) (804) (805) (806) (807) (808) (809) (810) (811) (812) (813) (814) (815) (816) (817) (818) (819) (820) (821) (822) (823) (824) (825) (826) (827) (828) (829) (830) (831) (832) (833) (834) (835) (836) (837) (838) (839) (840) (841) (842) (843) (844) (845) (846) (847) (848) (849) (850) (851) (852) (853) (854) (855) (856) (857) (858) (859) (860) (861) (862) (863) (864) (865) (866) (867) (868) (869) (870) (871) (872) (873) (874) (875) (876) (877) (878) (879) (880) (881) (882) (883) (884) (885) (886) (887) (888) (889) (890) (891) (892) (893) (894) (895) (896) (897) (898) (899) (900) (901) (902) (903) (904) (905) (906) (907) (908) (909) (910) (911) (912) (913) (914) (915) (916) (917) (918) (919) (920) (921) (922) (923) (924) (925) (926) (927) (928) (929) (930) (931) (932) (933) (934) (935) (936) (937) (938) (939) (940) (941) (942) (943) (944) (945) (946) (947) (948) (949) (950) (951) (952) (953) (954) (955) (956) (957) (958) (959) (960) (961) (962) (963) (964) (965) (966) (967) (968) (969) (970) (971) (972) (973) (974) (975) (976) (977) (978) (979) (980) (981) (982) (983) (984) (985) (986) (987) (988) (989) (990) (991) (992) (993) (994) (995) (996) (997) (998) (999) (1000) (1001) (1002) (1003) (1004) (1005) (1006) (1007) (1008) (1009) (1010) (1011) (1012) (1013) (1014) (1015) (1016) (1017) (1018) (1019) (1020) (1021) (1022) (1023) (1024) (1025) (1026) (1027) (1028) (1029) (1030) (1031) (1032) (1033) (1034) (1035) (1036) (1037) (1038) (1039) (1040) (1041) (1042) (1043) (1044) (1045) (1046) (1047) (1048) (1049) (1050) (1051) (1052) (1053) (1054) (1055) (1056) (1057) (1058) (1059) (1060) (1061) (1062) (1063) (1064) (1065) (1066) (1067) (1068) (1069) (1070) (1071) (1072) (1073) (1074) (1075) (1076) (1077) (1078) (1079) (1080) (1081) (1082) (1083) (1084) (1085) (1086) (1087) (1088) (1089) (1090) (1091) (1092) (1093) (1094) (1095) (1096) (1097) (1098) (1099) (1100) (1101) (1102) (1103) (1104) (1105) (1106) (1107) (1108) (1109) (1110) (1111) (1112) (1113) (1114) (1115) (1116) (1117) (1118) (1119) (1120) (1121) (1122) (1123) (1124) (1125) (1126) (1127) (1128) (1129) (1130) (1131) (1132) (1133) (1134) (1135) (1136) (1137) (1138) (1139) (1140) (1141) (1142) (1143) (1144) (1145) (1146) (1147) (1148) (1149) (1150) (1151) (1152) (1153) (1154) (1155) (1156) (1157) (1158) (1159) (1160) (1161) (1162) (1163) (1164) (1165) (1166) (1167) (1168) (1169) (1170) (1171) (1172) (1173) (1174) (1175) (1176) (1177) (1178) (1179) (1180) (1181) (1182) (1183) (1184) (1185) (1186) (1187) (1188) (1189) (1190) (1191) (1192) (1193) (1194) (1195) (1196) (1197) (1198) (1199) (1200) (1201) (1202) (1203) (1204) (1205) (1206) (1207) (1208) (1209) (1210) (1211) (1212) (1213) (1214) (1215) (1216) (1217) (1218) (1219) (1220) (1221) (1222) (1223) (1224) (1225) (1226) (1227) (1228) (1229) (1230) (1231) (1232) (1233) (1234) (1235) (1236) (1237) (1238) (1239) (1240) (1241) (1242) (1243) (1244) (1245) (1246) (1247) (1248) (1249) (1250) (1251) (1252) (1253) (1254) (1255) (1256) (1257) (1258) (1259) (1260) (1261) (1262) (1263) (1264) (1265) (1266) (1267) (1268) (1269) (1270) (1271) (1272) (1273) (1274) (1275) (1276) (1277) (1278) (1279) (1280) (1281) (1282) (1283) (1284) (1285) (1286) (1287) (1288) (1289) (1290) (1291) (1292) (1293) (1294) (1295) (1296) (1297) (1298) (1299) (1300) (1301) (1302) (1303) (1304) (1305) (1306) (1307) (1308) (1309) (1310) (1311) (1312) (1313) (1314) (1315) (1316) (1317) (1318) (1319) (1320) (1321) (1322) (1323) (1324) (1325) (1326) (1327) (1328) (1329) (1330) (1331) (1332) (1333) (1334) (1335) (1336) (1337) (1338) (1339) (1340) (1341) (1342) (1343) (1344) (1345) (1346) (1347) (1348) (1349) (1350) (1351) (1352) (1353) (1354) (1355) (1356) (1357) (1358) (1359) (1360) (1361) (1362) (1363) (1364) (1365) (1366) (1367) (1368) (1369) (1370) (1371) (1372) (1373) (1374) (1375) (1376) (1377) (1378) (1379) (1380) (1381) (1382) (1383) (1384) (1385) (1386) (1387) (1388) (1389) (1390) (1391) (1392) (1393) (1394) (1395) (1396) (1397) (1398) (1399) (1400) (1401) (1402) (1403) (1404) (1405) (1406) (1407) (1408) (1409) (1410) (1411) (1412) (1413) (1414) (1415) (1416) (1417) (1418) (1419) (1420) (1421) (1422) (1423) (1424) (1425) (1426) (1427) (1428) (1429) (1430) (1431) (1432) (1433) (1434) (1435) (1436) (1437) (1438) (1439) (1440) (1441) (1442) (1443) (1444) (1445) (1446) (1447) (1448) (1449) (1450) (1451) (1452) (1453) (1454) (1455) (1456) (1457) (1458) (1459) (1460) (1461) (1462) (1463) (1464) (1465) (1466) (1467) (1468) (1469) (1470) (1471) (1472) (1473) (1474) (1475) (1476) (1477) (1478) (1479) (1480) (1481) (1482) (1483) (1484) (1485) (1486) (1487) (1488) (1489) (1490) (1491) (1492) (1493) (1494) (1495) (1496) (1497) (1498) (1499) (1500) (1501) (1502) (1503) (1504) (1505) (1506) (1507) (1508) (1509) (1510) (1511) (1512) (1513) (1514) (1515) (1516) (1517) (1518) (1519) (1520) (1521) (1522) (1523) (1524) (1525) (1526) (1527) (1528) (1529) (1530) (1531) (1532) (1533) (1534) (1535) (1536) (1537) (1538) (1539) (1540) (1541) (1542) (1543) (1544) (1545) (1546) (1547) (1548) (1549) (1550) (1551) (1552) (1553) (1554) (1555) (1556) (1557) (1558) (1559) (1560) (1561) (1562) (1563) (1564) (1565) (1566) (1567) (1568) (1569) (1570) (1571) (1572) (1573) (1574) (1575) (1576) (1577) (1578) (1579) (1580) (1581) (1582) (1583) (1584) (1585) (1586) (1587) (1588) (1589) (1590) (1591) (1592) (1593) (1594) (1595) (1596) (1597) (1598) (1599) (1600) (1601) (1602) (1603) (1604) (1605) (1606) (1607) (1608) (1609) (1610) (1611) (1612) (1613) (1614) (1615) (1616) (1617) (1618) (1619) (1620) (1621) (1622) (1623) (1624) (1625) (1626) (1627) (1628) (1629) (1630) (1631) (1632) (1633) (1634) (1635) (1636) (1637) (1638) (1639) (1640) (1641) (1642) (1643) (1644) (1645) (1646) (1647) (1648) (1649) (1650) (1651) (1652) (1653) (1654) (1655) (1656) (1657) (1658) (1659) (1660) (1661) (1662) (1663) (1664) (1665) (1666) (1667) (1668) (1669) (1670) (1671) (1672) (1673) (1674) (1675) (1676) (1677) (1678) (1679) (1680) (1681) (1682) (1683) (1684) (1685) (1686) (1687) (1688) (1689) (1690) (1691) (1692) (1693) (1694) (1695) (1696) (1697) (1698) (1699) (1700) (1701) (1702) (1703) (1704) (1705) (1706) (1707) (1708) (1709) (1710) (1711) (1712) (1713) (1714) (1715) (1716) (1717) (1718) (1719) (1720) (1721) (1722) (1723) (1724) (1725) (1726) (1727) (1728) (1729) (1730) (1731) (1732) (1733) (1734) (1735) (1736) (1737) (1738) (1739) (1740) (1741) (1742) (1743) (1744) (1745) (1746) (1747) (1748) (1749) (1750) (1751) (1752) (1753) (1754) (1755) (1756) (1757) (1758) (1759) (1760) (1761) (1762) (1763) (1764) (1765) (1766) (1767) (1768) (1769) (1770) (1771) (1772) (1773) (1774) (1775) (1776) (1777) (1778) (1779) (1780) (1781) (1782) (1783) (1784) (1785) (1786) (1787) (1788) (1789) (1790) (1791) (1792) (1793) (1794) (1795) (1796) (1797) (1798) (1799) (1800) (1801) (1802) (1803) (1804) (1805) (1806) (1807) (1808) (1809) (1810) (1811) (1812) (1813) (1814) (1815) (1816) (1817) (1818) (1819) (1820) (1821) (1822) (1823) (1824) (1825) (1826) (1827) (1828) (1829) (1830) (1831) (1832) (1833) (1834) (1835) (1836) (1837) (1838) (1839) (1840) (1841) (1842) (1843) (1844) (1845) (1846) (1847) (1848) (1849) (1850) (1851) (1852) (1853) (1854) (1855) (1856) (1857) (1858) (1859) (1860) (1861) (1862) (1863) (1864) (1865) (1866) (1867) (1868) (1869) (1870) (1871) (1872) (1873) (1874) (1875) (1876) (1877) (1878) (1879) (1880) (1881) (1882) (1883) (1884) (1885) (1886) (1887) (1888) (1889) (1890) (1891) (1892) (1893) (1894) (1895) (1896) (1897) (1898) (1899) (1900) (1901) (1902) (1903) (1904) (1905) (1906) (1907) (1908) (1909) (1910) (1911) (1912) (1913) (1914) (1915) (1916) (1917) (1918) (1919) (1920) (1921) (1922) (1923) (1924) (1925) (1926) (1927) (1928) (1929) (1930) (1931) (1932) (1933) (1934) (1935) (1936) (1937) (1938) (1939) (1940) (1941) (1942) (1943) (1944) (1945) (1946) (1947) (1948) (1949) (1950) (1951) (1952) (1953) (1954) (1955) (1956) (1957) (1958) (1959) (1960) (1961) (1962) (1963) (1964) (1965) (1966) (1967) (1968) (1969) (1970) (1971) (1972) (1973) (1974) (1975) (1976) (1977) (1978) (1979) (1980) (1981) (1982) (1983) (1984) (1985) (1986) (1987) (1988) (1989) (1990) (1991) (1992) (1993) (1994) (1995) (1996) (1997) (1998) (1999) (2000) (20

REV. DATE: MAY 19

MONITORING WELL SAMPLING LOG

Sample ID No.: MW3-02-02

WELL NO.: MW3-02

Site: 3

Installation: Sxy Hanson Ar16

HAZWRAP Contractor: JT Construction

Project No.: 409321.02.05

Sample Start (Date) 6/20/01 (Time) 1500 Sample End (Date) 6/20/01 (Time) 1520

Sampled by: GARDNER / SAMUEL

Orig. SWL: 70.31 ft BTOC* Final SWL: 70.50 ft BTOC

Screen Interval: ~ 50 - 100 ft BTOC

Temp	pH	Cond.	Turbidity
23.4	7.08	1150	17.65

Are parameters 20%
of purge values? ☒ N (EXCEPT TURBIDITY)Repurge Y ☒ N

No. repurge volumes: _____

Sampling Method:

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailor ☒ SS ☐ Tef ☒ Centrifugal Pump ☐ PVC ☐Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other _____

Sampling Equipment (Make, Model, etc.) _____

Sample Equipment Decon'd? ☒ Y ☐ N

If pump or discrete bailor; Depth(s) where pump set: _____ ft BT.

Weather: SUNNY, BREEZY, HOT (≈ 100 °F)

Lab Analyses: (Circle)

☒ VOA ☒ SVOA METALS PEST/PCBS ☒ TPH CATIONS ANIONS TCOthers: VINYL CHLORIDE; TO Pb

Metals: (Circle) Filtered Unfiltered Both

Field Dups: ☒ Y ☐ NReferee Dups: Y ☒ N

Comments:

Sample MW3-02-02 COLLECTED AT 1500 HOURS.FIELD PURCHASE SAMPLE MW3-02-02-DAL COLLECTED AT 1515 HOURS.

*BTOC = Below Top of Casing (or other measurement reference point)

SWL = Static Water Level

REV. DATE: MAY 1990

MONITORING WELL PURGING LOG

Installation: Sky Harbor ANGHAZWRAP Contractor: IT CorporationPurge Start: (Date) 6/29/91 (Time) 1025Purged by: GARDINER / SANCHEZSample ID No.: MW4-01-03WELL NO.: MW4-01Site: 4Project No.: 40921.02.05Purge End: (Date) 6/29/91 (Time) 0955Depth Measurement Ref. Point*: T.O.C.Well Csg ID: 2" (4) 6" Other _____Well Hdspace/Odor: 0.2 ftLNAPL Check (Y/N)~~DNAPL Check (Y/N)~~

Equipment Used To Measure Thickness and Sample Free Product (Make, Model, etc)

SOLINET INTERACTIVE PROBE MODEL

Depth to Top and Bottom of Screen Interval _____

Depth to LNAPL: NDDepth to DNAPL: NA Orig. DTW: 23.43 Final DTW: _____LNAPL/DNAPL Thickness: NDLNAPL/DNAPL Sample and Volume: NAMeasured Well TD: 42.86(-) Orig. DTW: 23.43(-) Wtr Col. Thick: 19.43 (x) 2" - 0.164" - 0.656" - 1.47~12" - 1.91Gals/ft (=) 39.1 Gals/Csg Vol. (x) 3 Csg Vol. (=) 111.3Total
Purge
Gals.

Purge Method:

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Baller ☒ SS ☐ Centrifugal Pump ☐Tef
PVCPeristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☒ Other _____Purging Equipment (Make, Model, etc.) Remco Model 6/29/91 Purge Equipment Decon'd? (Y/N)Purge Wtr Containerized? (Y/N) Avg Purge Rate: ~1.5 NA gpmWeather: Sunny, Breezy, Hot (95 °F)

Actual Time	Elapsed Time	Vols. Purged (Gals)	Depth To Wtr (ft)	Depth Of Pump Intake (ft)	Temp (°C)	pH (s.a)	Cond. (umhos/cm)	Turbidity (NTs)	Other	Comment
1025		32.5	23.43	NA	25.2	7.02	2910	75.4		
1032		5			24.8	7.14	2730	7100		
1034		14			24.8	7.13	2700	7.00		
1044		20			24.9	7.12	2660	7.00		
1052		27			25.0	7.20	2580	7.000		1053 - DRY
1056		27.5								DRY (1/2 gal)
1135										2. Spill in Vial & Vial Cover
6/29/91 0745		28			24.8	7.10	2650	27.2		Collect Sample & Test Sample for

* All Depths in Feet Below Ref. Point on wellhead - generally Top of Casing (TOC)

DTW = Depth To Water LNAPL/DNAPL = Light or Dense Non-Aqueous Phase Liquid

Transmittance

REV. DATE: MAY 19

MONITORING WELL SAMPLING LOG

Installation: Sky Harbor Area

HAZWRAP Contractor: I T Corporation

Sample Start: (Date) 6/28/91 (Time) 1235

Sample End: (Date) 6/28/91 (Time) 0935

Sampled by: GARDNER / SAMUELSON

Sample ID No.: MW4-01-02

WELL NO.: MW4-01

Site: 4

Project No.: 409321.02.02

Orig. SWL: 23.43 ft BTOC* Final SWL: 44 ft BTOC

Screen Interval: - ft BTOC

Temp	pH	Cond.	Turbidity
24.8	7.10	2650	24.2

Are parameters 20%
of purge values? ☒ N (EXCEPT TURBIDITY)Repurge Y ☒ N

No. repurge volumes: _____

Sampling Method:

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailor ☒ SS ☐
Tef ☒ Centrifugal Pump ☐
PVC ☐Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other _____

Sampling Equipment (Make, Model, etc.) _____

Sample Equipment Decon'd? ☒ Y / N

If pump or discrete bailer; Depth(s) where pump set: _____ ft BTC

Weather: Sunny, Breezy, Hot (≈ 95 °F)

Lab Analyses: (Circle)

VOA ☒ SVOA ☒ METALS ☒ PEST/PCBS ☐ TPH ☒ CATIONS ☐ ANIONS ☐ TDS ☐

Others: VINYL CHLORIDE

Metals: (Circle) Filtered ☒ Unfiltered ☐ Both ☐Field Dups: Y / ☒ NReferee Dups: Y / ☒ N

Comments:

Sample MW4-01-02 - Collected at 1235 House / VOA & VINYL
CHLORIDE ONLY - Residuals analyzed on 6/29/91. Sample MW4-01-0
Residuals collected at 0745 House, 6/28/91.

*BTOC = Below Top of Casing (or other measurement reference point)

SWL = Static Water Level

REV. DATE: MAY 1990

Sample ID No: MWY-02-02

MONITORING WELL PURGING LOG

WELL NO.: MW4-02

Installation Sky Harbor ANG

Site: 4

HAZWOP Contractor: 1 Corporation

Project No: 409721.02.05

Puroc Start: (Date) 6/29/91 (Time) 0908

Purge End: (Date) 6/27/91 (Time) 10:1200

Purged by: GARDNER / SARGED

Depth Measurement Ref. Point— T.O.C. Well Csg ID: 2' (4) 6" Other _____

Well Hdspace/Odor: _____ L NAPL Check (Y/N) ~~DNAPL Check (Y/N)~~ A

Equipment Used To Measure Thickness and Sample Free Product (Make, Model, etc)

SOLINGET INTERNAL PROBE MODEL

Depth to Top and Bottom of Screen Interval.

Depth to LNAPL: N/D

Depth to DNPL: N/A Orig. DTW: 27.14 Final DTW: N/A (Dry)

LNAPL/DNAPL Thickness N/D

LNAPL/DNAPL Sample and Volume: NA

Measured Well TD: 50.61

(-) Orig. DTW: 23.14

(-) Wtr Col. Thick: $\frac{23.77}{2} \times 2 = 23.77$ (x) $\frac{44.83}{4} \times 4 = 44.83$ Gals/Csg Vol. (x) $\frac{134.5}{4} \times 4 = 134.5$ Total Purge Gals.

Purge Method

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Baller ☒ Tef ☐ Centrifugal Pump ☐

Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☒ ~~Other~~

Purging Equipment (Make, Model, etc.) Booster Model 1000 Purge Equipment Decon'd? Y/N

Purge Wtr Containerized? (Y) N Avg Purge Rate: 28 L NA gpm

Purge Wtr Containerized? (Y/N) Y Ave Purge Rate: 2 gpm
Weather: Sunny, Breezy, Hot (89°F)

[illegible]

* All Depths in Feet Below Ref. Point on Wellhead - generally Top of Casing (TOC)
DTW = Depth To Water LNAPL/DNAPL = Light or Dense Non-Aqueous Phase Liquid

~~_____~~

REV. DATE: MAY 198

MONITORING WELL SAMPLING LOG		Sample ID No.: MW4-02-02
Installation: Sky Harbor Airfield		WELL NO.: MW4-02
HAZWRAP Contractor: IT Corporation		Site: 4
Sample Start: (Date) 6/27/91 (Time) 1135		Project No.: 409321.02.05
Sample End: (Date) 6/27/91 (Time) 1145		
Sampled by: GARDNER / SAMUEL		

Orig. SWL: 27.14 ft BTOC* Final SWL: N/A (27.14 ft BTOC)

Screen Interval: _____ - _____ ft BTOC

Temp	pH	Cond.	Turbidity
26.6	7.38	1050	6.50

Are parameters 20%
of purge values? (Y) / N (EXCEPT TURBIDITY)

Repurge Y / (N)

No. repurge volumes: _____

Sampling Method:

 Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Bailor ☒ SS ☐
 Ter ☒ Centrifugal Pump ☐
 PVC ☐
Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other _____

Sampling Equipment (Make, Model, etc.) _____

Sample Equipment Decon'd? (Y) / N

If pump or discrete bailor; Depth(s) where pump set: _____ ft BTOC

Weather: SWIFT, BREEZY, HOT (≈ 95 °F)

Lab Analyses: (Circle)

 VOA ☒ SVOA ☒ METALS ☒ PEST/PCBS ☐ TPH ☒ CATIONS ☐ ANIONS ☐ TDS ☐
 Others: VINYL CHLORIDE
Metals: (Circle) Filtered Unfiltered Both

Field Dups: Y / (N) Referee Dups: Y / (N)

Comments:

SAMPLE MW4-02-02 COLLECTED AT 1135 HOURS.
RESTATE QV-ER32 COLLECTED AT 1210 HOURS.

 *BTOC = Below Top of Casing (or other measurement reference point)
 SWL = Static Water Level

REV. DATE: MAY 1990

MONITORING WELL PURGING LOG

Sample ID No.: MW5-01-02

WELL NO.: MW5-01

Installation: Sky Harbor ANG

Site: 5

HAZWRAP Contractor: IT Corporation

Project No.: 409721-02.05

Purge Start: (Date) 6/26/91 (Time) 0830 Purge End: (Date) 6/26/91 (Time) 1100

Purged by: GARDNER / SWEENEY

Depth Measurement Ref. Point: T.O.C. Well Csg ID: 2" (4) 6" Other _____
 Well Hdspace/Odor: 0.25 in (Max PI-100) LNAPL Check (Y/N) ~~DNAPL~~ Check (Y/N) ~~NA~~
 Equipment Used To Measure Thickness and Sample Free Product (Make, Model, etc)

SOLINOT INTERACTIVE PROBE MODEL

Depth to Top and Bottom of Screen Interval: ~ 50-100 ft
 Depth to LNAPL: ND Depth to DNAPL: NA Orig. DTW: 72.27 Final DTW: 72.43

LNAPL/DNAPL Thickness: ND LNAPL/DNAPL Sample and Volume: NAMeasured Well TD: 100.68(-) Orig. DTW: 72.27

2" - 0.16
 (-) Wtr Col. Thick: 28.41 (x) 4" - 0.65 Gals/ft (-) 54.3 Gals/Csg Vol. (x) 3 Csg Vol. (-) ~ 163 Total
 6" - 1.47 ~ 12" - 1.91 Purge Gals.
 5

Purge Method:

Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Baller ☐ SS ☐
 Tef ☐ Centrifugal Pump ☐
 PVC ☐

Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☒ Other _____Purging Equipment (Make, Model, etc.) Beckett Model 1800 Purge Equipment Decon'd? (Y/N)Purge Wtr Containerized? (Y/N) Ave Purge Rate: ~ 2 gpmWeather: Sunny, Breezy, Hot (°F)

Actual Time	Elapsed Time	Vol. Purged (Gals)	Depth To Wtr (ft)	Depth Of Pump Intake (ft)	Temp (°C)	pH (±.2)	Cond. (µmhos/cm)	Turbidity (NTU)	Other	Comment
0840		10	72.27	~ 20 ft	23.1	6.82	1070	0.76		
0846		20			23.0	6.95	1110	0.70		
0858		40			22.9	6.93	1150	0.68		
0911		60			22.8	7.00	1160	0.72		
0924		80			22.8	7.03	1160	0.69		0930 - Groundwater
0936		100			22.8	7.05	1160	0.70		
0951		120			22.9	7.01	1170	0.66		
1004		140			22.9	7.00	1160	0.65		
1021		160			22.9	7.02	1170	0.63		ok. Full length
1100		165			23.1	6.99	1170	3.20		Post Sample

* All Depths in Feet Below Ref. Point on Wellhead - generally Top of Casing (TOC)

DTW = Depth To Water LNAPL/DNAPL = Light or Dense Non-Aqueous Phase Liquid

Signature

REV. DATE: MAY 19

MONITORING WELL SAMPLING LOG

Sample ID No.: MW5-01-02

WELL NO.: MW5-01

Installation: Sky Harbor Airfield

Site: 5

HAZWRAP Contractor: IT Corporation

Project No.: 409321.02.05

Sample Start (Date) 6/26/01 (Time) 1045

Sample End (Date) 6/26/01 (Time) 1100

Sampled by: GARDNER / SAMUELSON

Orig. SWL: 72.27 ft BTOC* Final SWL: 72.45 ft BTOC

Screen Interval: ~ 50 - 100 ft BTOC

Temp	pH	Cond.	Turbidity
23.1	6.99	1070	3.20

Are parameters 20%
of purge values? Y/N (Except Turbidity)Repurge Y/N

No. repurge volumes: _____

Sampling Method:

 Submersible Pump ☐ Dedicated Bladder Pump ☐ Bladder Pump ☐ Baller ☒ SS ☐
 Ter ☒ Centrifugal Pump ☐
 PVC ☐
Peristaltic Pump ☐ Hand Pump ☐ Gas Lift/ Displacement Pump ☐ Other _____

Sampling Equipment (Make, Model, etc.) _____

Sample Equipment Decon'd? Y/N

If pump or discrete baller; Depth(s) where pump set: _____ ft BTOC

Weather: SWIFT, BREEZY, HOT (~ °F)

Lab Analyses: (Circle)

VOA SVOA METALS PEST/PCBS TPH CATIONS ANIONS TDSOthers: NITRATE / NITRITEMetals: (Circle) Filtered Unfiltered BothField Dups: Y/N Referee Dups: Y/N

Comments:

Sample MW5-01-02 Collected at 1045 HoursEquipment Used PG-624 Collected at 1100 Hours

*BTOC = Below Top of Casing (or other measurement reference point)

SWL = Static Water Level

APPENDIX I

SLUG TESTS AND ANALYSIS



By SWS Date 8-3-91 Subject SLUG TEST ANALYSIS - SKY HARBOR Sheet No. 1 of 9
 Chkd. By SAL Date 10-30-91 ANG BASK, PHOENIX, AZ Proj. No. 409221.07.09

PROBLEM: DETERMINE HYDRAULIC CONDUCTIVITY OF ALLUVIAL AQUIFER
 USING RISING HEAD SLUG TEST

APPROACH: SOLVE SLUG TEST ANALYSIS FOR UNCONFINED AQUIFER USING
 METHOD OF BOWER AND RICE (1976), ATTACHMENT 1.

BOWER AND RICE EQUATION:

$$K = \frac{r_c^2 \ln(R_e/r_w)}{2L_e} \left(\frac{1}{t} \right) \ln \left(\frac{y_0}{y_t} \right) \quad \text{EQ 1.}$$

where:

- K = hydraulic conductivity (L/T)
- r_c = radius of well casing (L)
- L_e = length of well screen open to aquifer (L)
- y_0 = drawdown at time, $t=0$ (L)
- y_t = draw down at some later time, $t(t), (T)$
- $\ln(R_e/r_w)$ = calculated term describing effective head loss dissipation into aquifer.

$$\ln(R_e/r_w) = \left[\frac{1.1}{\ln(L_w/r_w)} + \frac{A+B \times \ln \left(\frac{H-L_w}{r_w} \right)}{(L_e/r_w)} \right]^{-1} \quad \text{EQ 2}$$

where:

- r_w = radius of the borehole (L)
- H = saturated thickness of the aquifer (L)
- A and B = graphically derived constants (unitless)
- L_w = length of well screen below the water table (L)

By SJS Date 8-3-91 Subject SLUG TEST ANALYSIS - SKY HARBOR Sheet No. 2 of 9
Chkd. By SM Date 10-30-91 ANG BASE, PHOENIX, AZ Proj. No. 409321.02.09

It is determined from literature and is estimated to be 350 ft
(Brown and Pool, 1989)

Because the water level fluctuates within the screened interval in all wells the terms L_e and L_w are equivalent (see Figure 1).

Because the water level is within the screened interval, r_c in equation 1 has to be adjusted to account for porosity of filter pack.

$$r_c = [r_c^2 + n(r_w^2 - r_c^2)]^{1/2} \quad \text{EQ 3}$$

where:

n = filter pack porosity.

$r_c = 0.16 \text{ FT}$ (well construction logs)

$n = 0.35$ assumed

$r_w = 0.40 \text{ FT}$

$$r_c = [0.16^2 + 0.35(0.4^2 - 0.16^2)]^{1/2} = \underline{0.27 \text{ FEET}}$$

The empirical constants A and B are derived from Bouwer and Rice Figure 3. The quotient L_e/r_w is calculated and the values are read from the x-axis to their respective curves, and over to each vertical axis,

$$\begin{aligned} \text{MWS-01} \\ L_e/r_w &= 26.9'/0.4 \text{ FT} \\ &= 67.25 \end{aligned}$$

$$\begin{aligned} A &= 3.25 \\ B &= 0.6 \end{aligned}$$

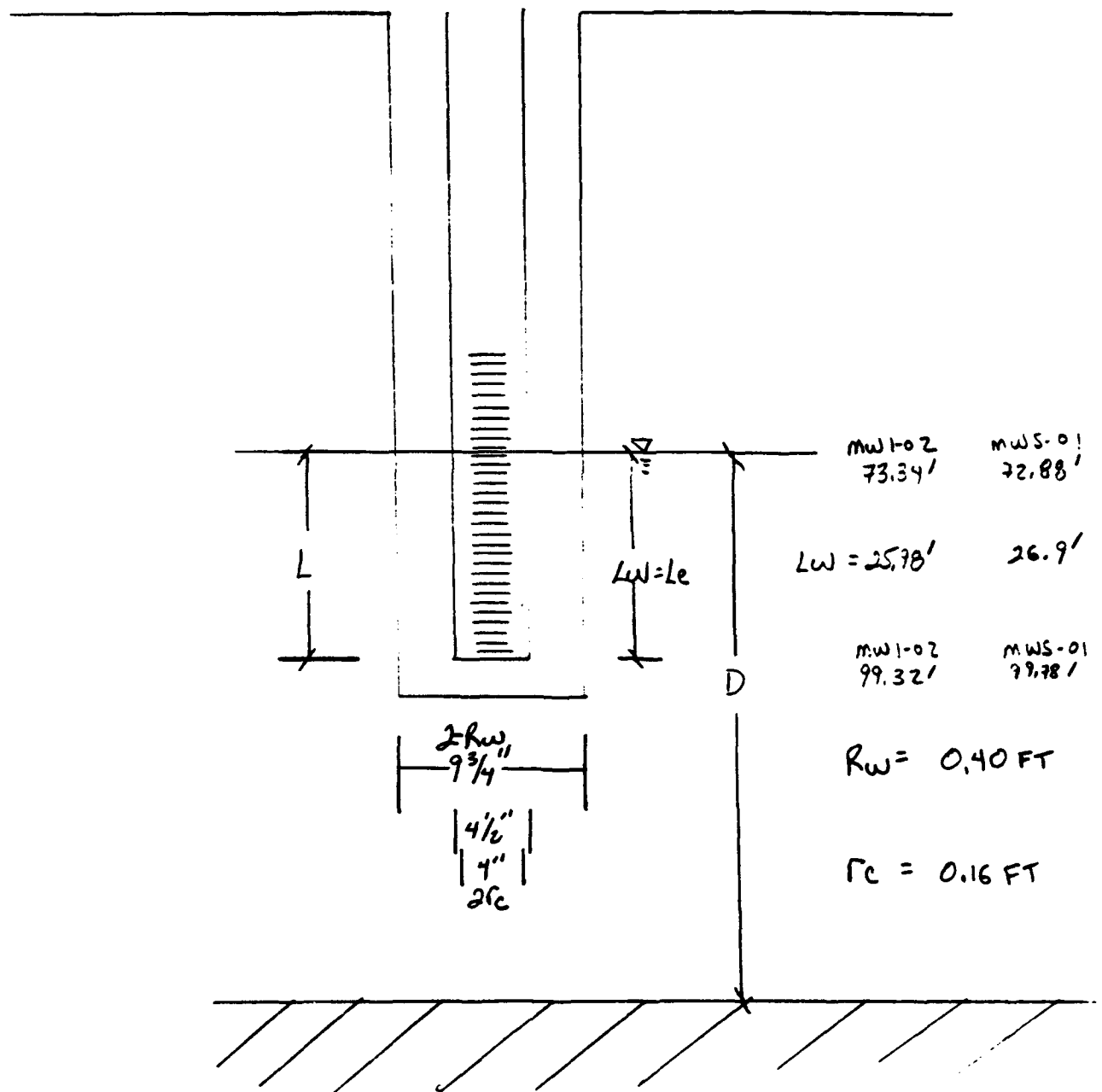
$$\begin{aligned} \text{MWI-02} \\ L_e/r_w &= 25.98'/0.4 \text{ FT} \\ &= 64.95 \end{aligned}$$

$$\begin{aligned} A &= 3.25 \\ B &= 0.6 \end{aligned}$$



By SWS Date 8-3-91 Subject SLUG TEST ANALYSIS - SKY HARBOR Sheet No. 3 of 9
Chkd. By SAL Date 10-30-91 ANG BASE, PHOENIX, AZ Proj. No. 409221.02.09

FIGURE 1



By SWS Date 8-3-91 Subject SLUG TEST ANALYSIS - SKY HARBOR Sheet No. 4 of 9
 Chkd. By SLL Date 10-20-91 AKG BASE, PHOENIX, AZ Proj. No. 409721.02.00

To find y_0 , y_t , and t , a graph of logarithm drawdown (y) versus time is constructed, See Figures 2 and 3.

USING EQUATION 2

$$\ln(R_e/r_w) = \left[\frac{1.1}{\ln(L_w/r_w)} + \frac{A+B \cdot \ln \left[\frac{H-L_w}{r_w} \right]}{(L_e/r_w)} \right]^{-1}$$

FOR MWS-01

$$\ln(R_e/r_w) = \left[\frac{1.1}{\ln(26.9/0.4)} + \frac{3.25 + 0.6 \times \ln \left[\frac{350 - 26.9}{0.4} \right]}{(26.9/0.4)} \right]^{-1}$$

67.25

$$\ln(R_e/r_w) = 2.70 \text{ unitless FOR MWS-01}$$

FOR MW1-02

$$\ln(R_e/r_w) = \left[\frac{1.1}{\ln(25.98/0.4)} + \frac{3.25 + 0.6 \times \ln \left[\frac{350 - 25.98}{0.4} \right]}{(25.98/0.4)} \right]^{-1}$$

64.95

$$\ln(R_e/r_w) = 2.70 \text{ unitless FOR MW1-02}$$

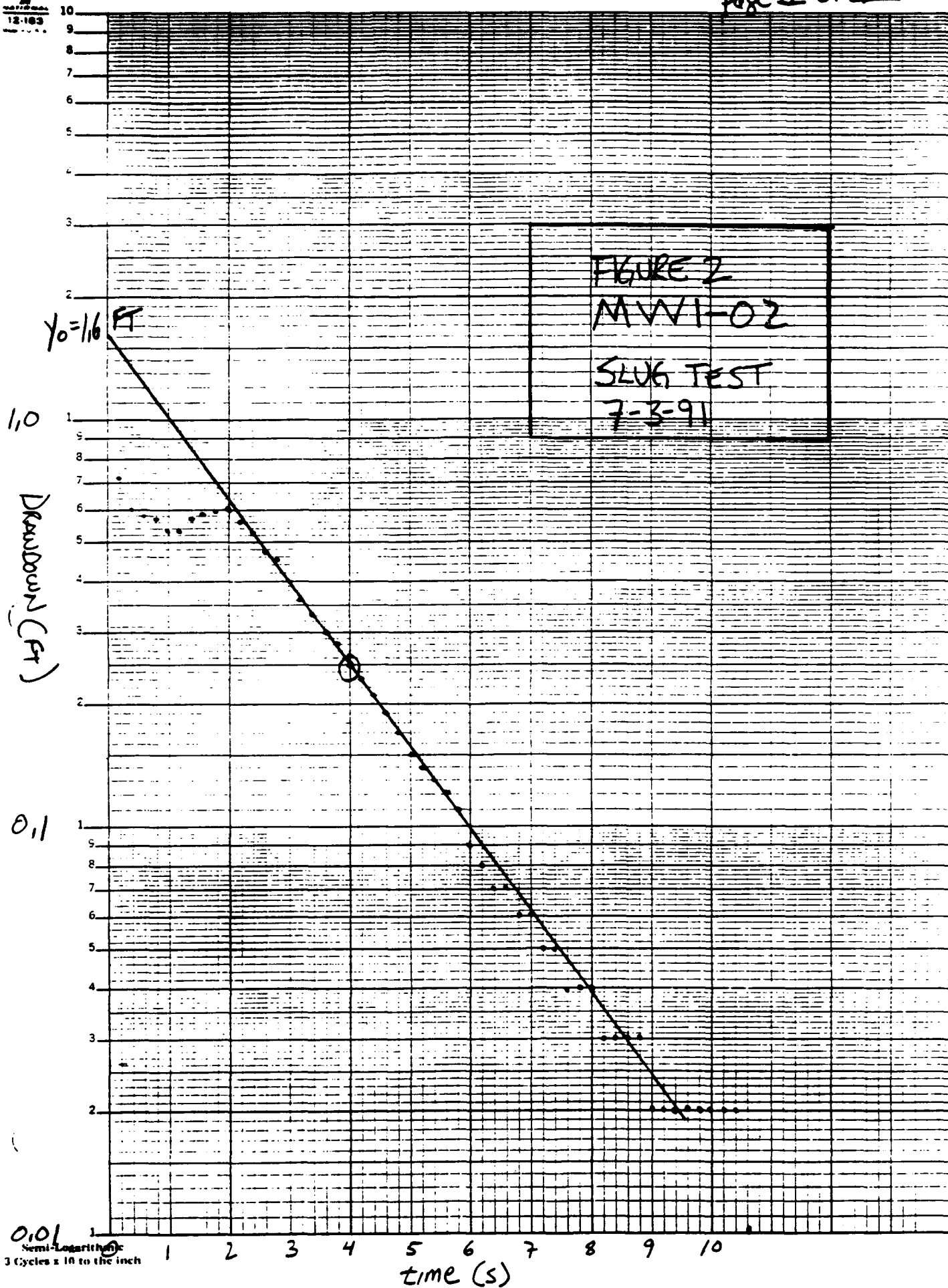


By SWS Date 8-3-91 Subject SLUS TEST ANALYSIS - SKY HARBOR Sheet No. 5 of 9
 Chkd. By SM Date 10-30-91 ANK BASE - PHOENIX, AZ Proj. No. 409721.02.09

MW1-02

time	h (Ft)	drawdown (Ft)	time	h (Ft)	drawdown (Ft)
$t_0 = 10:53:12$	7.87	(Ft)	19.0	7.70	0.17 .8
10:53:13.0	7.77	0.10	.2	7.72	0.15 5.0
13.2	7.52	0.35	.4	7.73	0.14 .2
13.4	7.29	0.58	.6	7.74	0.13 .4
13.6	7.16	0.71	.8	7.75	0.12 .6
13.8	7.19	0.68	20.0	7.76	0.11 .8
begin 14.0	7.16	0.71	.2	7.78	0.09 6.0
.2	7.04	0.83	.4	7.79	0.08 .2
.4	7.15	0.72	.6	7.80	0.07 .4
.6	7.27	0.60	.8	7.80	0.07 .6
.8	7.29	0.58	21.0	7.81	0.06 .8
15.0	7.30	0.57	.2	7.81	0.06 7.0
.2	7.34	0.53	.4	7.82	0.05 .2
.4	7.34	0.53	.6	7.82	0.05 .4
.6	7.30	0.57	.8	7.83	0.04 .6
.8	7.29	0.58	22.0	7.83	0.04 .8
16.0	7.28	0.59	.2	7.83	0.04 8.0
.2	7.27	0.60	.4	7.84	0.03 .2
.4	7.31	0.56	.6	7.84	0.03 .4
.6	7.35	0.52	.8	7.84	0.03 .6
.8	7.40	0.47	23.0	7.84	0.03 .8
17.0	7.44	0.43	.2	7.85	0.02 9.0
.2	7.47	0.40	.4	7.85	0.02 .2
.4	7.51	0.36	.6	7.85	0.02 .4
.6	7.54	0.33	.8	7.85	0.02 .6
.8	7.57	0.30	24.0	7.85	0.02 .8
18.0	7.59	0.28	.2	7.85	0.02 10.0
.2	7.62	0.25	.4	7.85	0.02 .2
.4	7.64	0.23	.6	7.85	0.02 .4
.6	7.66	0.21	.8	7.86	0.01 .6
.8	7.68	0.19			

max drawdown
test begin



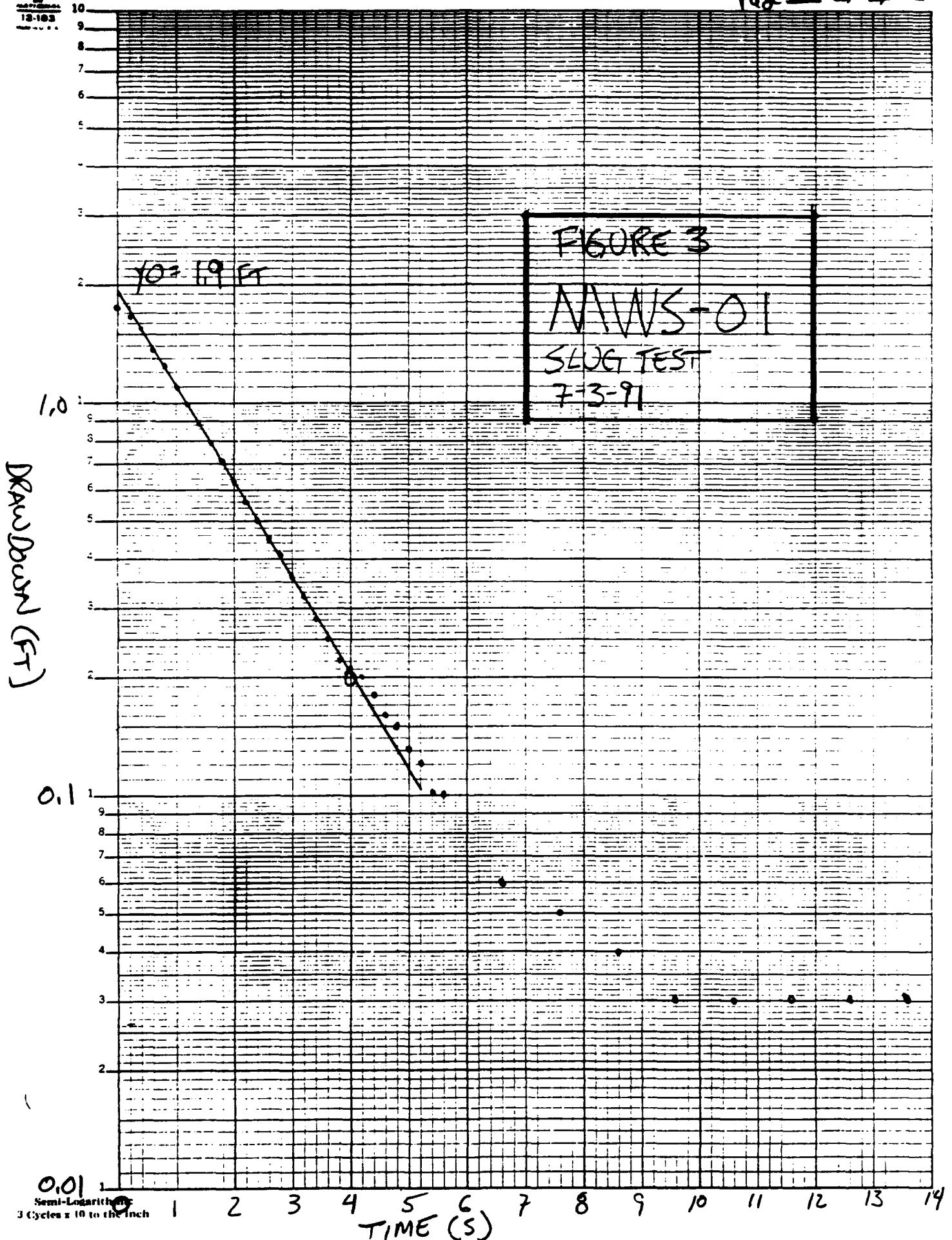


By SWS Date 8-3-91 Subject SLUG TEST ANALYSIS - SKY HARBOR Sheet No. 7 of 9
 Chkd. By SL Date 8-20-91 ANG BASE, PHOENIX, AZ Proj. No. 401721.02.09

MWS-01

time	h (Ft)	drawdown (Ft)	time	h (Ft)	drawdown (Ft)
	11.85				
11:04:56.2	11.69	0.16	.6	10.86	0.99 1.2
.4	11.33	0.52	.8	10.97	0.88 1.4
.6	10.89	0.96	11:05:03.0	11.06	0.79 1.6
.8	10.61	1.24	.2	11.14	0.71 1.8
.57.0	10.39	1.46	.4	11.22	0.63 2.0
.2	10.22	1.63	.6	11.29	0.56 2.2
.4	10.25	1.60	.8	11.35	0.50 2.4
.6	10.50	1.35	05:04.0	11.40	0.45 2.6
.8	11.10	0.75	.2	11.44	0.41 2.8
58.0	11.72	0.13	.4	11.49	0.36 3
.2	11.76	0.09	.6	11.53	0.32 3.2
.4	11.35	0.50	.8	11.57	0.28 3.4
.6	10.86	0.99	05:06	11.60	0.25 3.6
.8	10.53	1.32	.2	11.63	0.22 3.8
59.0	10.53	1.32	.4	11.64	0.21 4.0
.2	10.77	1.08	.6	11.65	0.20 4.2
.4	11.25	0.60	.8	11.67	0.18 4.4
.6	11.53	0.32	06:00	11.69	0.16 4.6
.8	11.28	0.57	.2	11.70	0.15 4.8
11:05:00.0	10.99	0.86	.4	11.72	0.13 5.0
.2	10.98	0.87	.6	11.73	0.12 5.2
.4	10.63	1.22	.8	11.75	0.10 5.4
.6	10.68	1.17	07:00	11.75	0.10 5.6
.8	10.58	1.27	08.0	11.79	0.06 6.6
101.00	10.33	1.52	09.0	11.80	0.05 7.6
begin	10.34	1.51	10.0	11.81	0.04 8.6
.4	10.09	1.76	11.0	11.82	0.03 9.6
.6	10.18	1.67	12.0	11.82	0.03 10.6
.8	10.31	1.54	13.0	11.82	0.03 11.6
102.0	10.48	1.37	14.0	11.82	0.03 12.6
.2	10.62	1.23	15.0	11.83	0.03 13.6
.4	10.75	1.10	16.0	11.83	0.03 14.6

Max drawdown
begin test
(Ft)



By JWS Date 8-3-91 Subject SLUG TEST ANALYSIS - SKY HARBOR Sheet No. 9 of 9
 Chkd. By SM Date 10-30-91 ANG BASE, PHOENIX, AZ Proj. No. 409721.02.09

FOR MWS-01

$$K = \frac{r_c^2 \ln(r_e/r_w)}{2L_e} \left(\frac{1}{t} \right) \ln \left(\frac{y_0}{y_t} \right)$$

$$r_c = 0.27 \text{ FT}$$

$$\ln(r_e/r_w) = 2.70$$

$$L_e = 26.9 \text{ FT}$$

$$y_0 = 1.9 \text{ FT}$$

$$y_t = 0.2 \text{ FT}$$

$$t = 4 \text{ s}$$

$$K = \frac{0.27^2 (2.70)}{2(26.9 \text{ FT})} \cdot \frac{1}{4 \text{ s}} \cdot \ln \left(\frac{1.9 \text{ FT}}{0.2 \text{ FT}} \right)$$

$$= 2.06 \cdot 10^{-3} \text{ FT/S}$$

$$\times 12 \text{ in/FT} \times 2.54 \text{ cm/in} = \boxed{6.3 \cdot 10^{-2} \text{ CM/S} = K}$$

FOR MW1-02

$$r_c = 0.27 \text{ FT}$$

$$\ln(r_e/r_w) = 2.70$$

$$L_e = 25.98 \text{ FT}$$

$$y_0 = 1.6 \text{ FT}$$

$$y_t = 0.25 \text{ FT}$$

$$t = 4 \text{ s}$$

$$K = \frac{0.27^2 (2.70)}{2(25.98)} \cdot \frac{1}{4 \text{ s}} \cdot \ln \left(\frac{1.6 \text{ FT}}{0.25 \text{ FT}} \right)$$

$$= 1.76 \cdot 10^{-3} \text{ FT/S}$$

$$\times 12 \text{ in/FT} \times 2.54 \text{ cm/in} = \boxed{5.3 \cdot 10^{-2} \text{ CM/S} = K}$$

A Slug Test for Determining Hydraulic Conductivity of Unconfined Aquifers With Completely or Partially Penetrating Wells

HERMAN BOUWER AND R. C. RICE

U.S. Water Conservation Laboratory, Agricultural Research Service, U.S. Department of Agriculture, Phoenix, Arizona 85040

A procedure is presented for calculating the hydraulic conductivity of an aquifer near a well from the rate of rise of the water level in the well after a certain volume of water is suddenly removed. The calculation is based on the Thiem equation of steady state flow to a well. The effective radius R_e over which the head difference between the equilibrium water table in the aquifer and the water level in the well is dissipated was evaluated with a resistance network analog for a wide range of system geometries. An empirical equation relating R_e to the geometry of the well and aquifer was derived. The technique is applicable to completely or partially penetrating wells in unconfined aquifers. It can also be used for confined aquifers that receive water from the upper confining layer. The method's results are compatible with those obtained by other techniques for overlapping geometries.

With the slug test the hydraulic conductivity or transmissibility of an aquifer is determined from the rate of rise of the water level in a well after a certain volume or 'slug' of water is suddenly removed from the well. The slug test is simpler and quicker than the Theis pumping test because observation wells and pumping the well are not needed. With the slug test the portion of the aquifer 'sampled' for hydraulic conductivity is smaller than that for the pumping test even though with the latter, most of the head loss also occurs within a relatively small distance of the pumped well and the resulting transmissibility primarily reflects the aquifer conditions near the pumped well.

Essentially instantaneous lowering of the water level in a well can be achieved by quickly removing water with a bailer or by partially or completely submerging an object in the water, letting the water level reach equilibrium, and then quickly removing the object. If the aquifer is very permeable, the water level in the well may rise very rapidly. Such rapid rises can be measured with sensitive pressure transducers and fast-response strip chart recorders or x-y plotters. Also it may be possible to isolate portions of the perforated or screened section of the well with special packers for the slug test. This not only reduces the inflow and hence the rate of rise of the water level in the well, but it also makes it possible to determine the vertical distribution of the hydraulic conductivity. Special packer techniques may have to be developed to obtain a good seal, especially for rough casings or perforations. Effective sealing may be achieved with relatively long sections of inflatable stoppers or tubing. The use of long sections of these materials would also reduce leakage flow from the rest of the well to the isolated section between packers. This flow can occur through gravel envelopes or other permeable zones surrounding the casing. Sections of inflatable tubing may have to be long enough to block off the entire part of the well not used for the slug test. High inflation pressures should be used to minimize volume changes in the tubing due to changing water pressures in the isolated section when the head is lowered.

So far, solutions for the slug test have been developed only for completely penetrating wells in confined aquifers. Cooper *et al.* [1967] derived an equation for the rise or fall of the water level in a well after sudden lowering or raising, respectively. Their equation was based on nonsteady flow to a pumped,

completely penetrating well, and the solution was expressed as a series of 'type curves' against which observed rates of water level rises were matched. Values for the transmissibility and storage coefficient were then evaluated from the curve parameter and horizontal-scale position of the type curve showing the best fit with the experimental data. Skibitzke [1958] developed an equation for calculating transmissibility from the recovery of the water level in a well that was repeatedly bailed. The technique is limited to wells in confined aquifers with sufficiently shallow water levels to permit short time intervals between bailing cycles [Lohman, 1972].

To use the slug test for partially penetrating or partially perforated wells in confined or unconfined aquifers, some solutions developed for the auger hole and piezometer techniques to measure soil hydraulic conductivity [Bouwer and Jackson, 1974] may be employed. However, the geometry of most groundwater wells is outside the range in geometry covered by the existing equations or tables for the auger hole or piezometer methods. For this reason, theory and equations are presented in this paper for slug tests on partially or completely penetrating wells in unconfined aquifers for a wide range of geometry conditions. The wells may be partially or completely perforated, screened, or otherwise open along their periphery. While the solutions are developed for unconfined aquifers, they may also be used for slug tests on wells in confined aquifers if water enters the aquifer from the upper confining layer through compression or leakage.

THEORY

Geometry and symbols of a well in an unconfined aquifer are shown in Figure 1. For the slug test the water level in the well is suddenly lowered, and the rate of rise of the water level is measured. The flow into the well at a particular value of y can be calculated by modifying the Thiem equation to

$$Q = 2\pi KL \frac{y}{\ln(R_e/r_w)} \quad (1)$$

where Q is the flow into the well (length³/time), K is the hydraulic conductivity of the aquifer (length/time), L is the height of the portion of well through which water enters (height of screen or perforated zone or of uncased portion of well), y is the vertical distance between water level in well and equilibrium water table in aquifer, R_e is the effective radius over which y is dissipated, and r_w is the horizontal distance

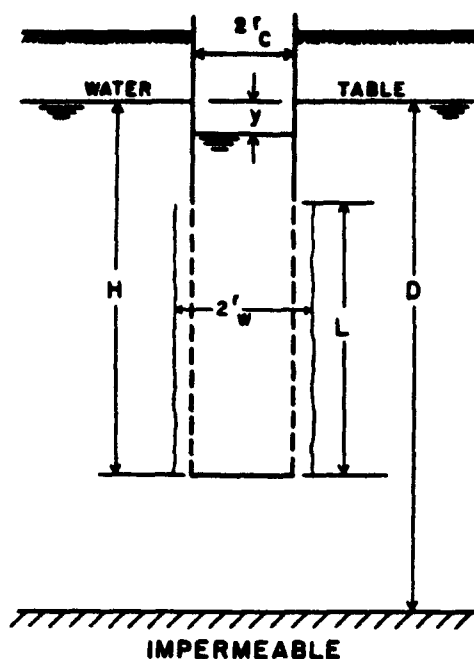


Fig. 1. Geometry and symbols of a partially penetrating, partially perforated well in unconfined aquifer with gravel pack or developed zone around perforated section.

from well center to original aquifer (well radius or radius of casing plus thickness of gravel envelope or developed zone).

The terms L , y , R_e , and r_w are all expressed in units of length. The effective radius R_e is the equivalent radial distance over which the head loss y is dissipated in the flow system. The value of R_e depends on the geometry of the flow system, and it was determined for different values of H , L , D , and r_w (Figure 1) with a resistance network analog, as will be discussed in the next section. Equation (1) is based on the assumptions that (1) drawdown of the water table around the well is negligible, (2) flow above the water table (in the capillary fringe) can be ignored, (3) head losses as water enters the well (well losses) are negligible, and (4) the aquifer is homogeneous and isotropic. These are the usual assumptions in the development of equations for pumped hole techniques [Bouwer and Jackson, 1974, and references therein].

The value of r_w in (1) represents the radial distance between the undisturbed aquifer and the well center. Thus r_w should include gravel envelopes or 'developed' zones if they are much more permeable than the aquifer itself (Figure 1).

The rate of rise, dy/dt , of the water level in the well after suddenly removing a slug of water can be related to the inflow Q by the equation

$$dy/dt = -Q/\pi r_c^2 \quad (2)$$

where πr_c^2 is the cross-sectional area of the well where the water level is rising. The minus sign in (2) is introduced because y decreases as t increases.

The term r_c is the inside radius of the casing if the water level is above the perforated or otherwise open portion of the well. If the water level is rising in the perforated section of the well, allowance should be made for the porosity outside the well casing if the hydraulic conductivity of the gravel envelope or developed zone is much higher than that of the aquifer. In that case the (open) porosity in the permeable zone must be included in the cross-sectional area of the well. For example, if the radius of the perforated casing is 20 cm and the casing is

surrounded by a 10-cm permeable gravel envelope with a porosity of 30%, r_c should be taken as $[20^2 + 0.3(30^2 - 20^2)]^{1/2} = 23.5$ cm to obtain the cross-sectional area of the well that relates Q to dy/dt . The value of r_w for this well section is 30 cm.

Combining (1) and (2) yields

$$\frac{1}{y} dy = -\frac{2KL}{r_c^2 \ln(R_e/r_w)} dt \quad (3)$$

which can be integrated to

$$\ln y = -\frac{2KLt}{r_c^2 \ln(R_e/r_w)} + \text{constant} \quad (4)$$

Applying this equation between limits y_0 at $t = 0$ and y_t at t and solving for K yield

$$K = \frac{r_c^2 \ln(R_e/r_w)}{2L} \frac{1}{t} \ln \frac{y_0}{y_t} \quad (5)$$

This equation enables K to be calculated from the rise of the water level in the well after suddenly removing a slug of water from the well. Since K , r_c , r_w , R_e , and L in (5) are constants, $(1/t) \ln y_0/y_t$ must also be constant. Thus field data should yield a straight line when they are plotted as $\ln y_t$ versus t . The term $(1/t) \ln y_0/y_t$ in (5) is then obtained from the best-fitting straight line in a plot of $\ln y$ versus t (see the example). The value of $\ln R_e/r_w$ is dependent on H , D , L , and r_w and can be evaluated from the analog results presented in the next section. The transmissibility T of the aquifer is calculated by multiplying (5) by the thickness D of the aquifer or

$$T = \frac{Dr_c^2 \ln(R_e/r_w)}{2L} \frac{1}{t} \ln \frac{y_0}{y_t} \quad (6)$$

This equation is based on the assumption that the aquifer is uniform with depth.

Equations (5) and (6) are dimensionally correct. Thus K and T are expressed in the same units as the length and time parameters in the equations.

EVALUATION OF R_e

Values of R_e , expressed as $\ln R_e/r_w$, were determined with an electrical resistance network analog for different values of r_w , L , H , and D (Figure 1), using the same assumptions as those for (1). An axisymmetric sector of 1 rad was simulated by a network of electrical resistors. The vertical distance between the nodes was constant, but the radial distance between nodes increased with increasing distance from the center line (Figure 2). This yielded a network with the highest node density near the well, where the head loss was greatest, and a decreasing node density toward the outer reaches of the system. For a more detailed discussion of graded networks for representing axisymmetric flow systems, see Liebmann [1950] and Bouwer [1960].

The radial extent of the medium represented on the analog was more than 60,000 times the largest r_w value used in the analyses. Thus the radial extent of the analog system was essentially infinite, as evidenced by the fact that a reduction in radial extent by several nodes did not have a measurable effect on the observed value of R_e .

The value of R_e for an infinitely deep aquifer ($D = \infty$) was determined by simulating an impermeable and then an infinitely permeable layer at a certain value of D . If this value of D is taken to be sufficiently large, the flow in the system when the layer at D is taken as being impermeable is only slightly

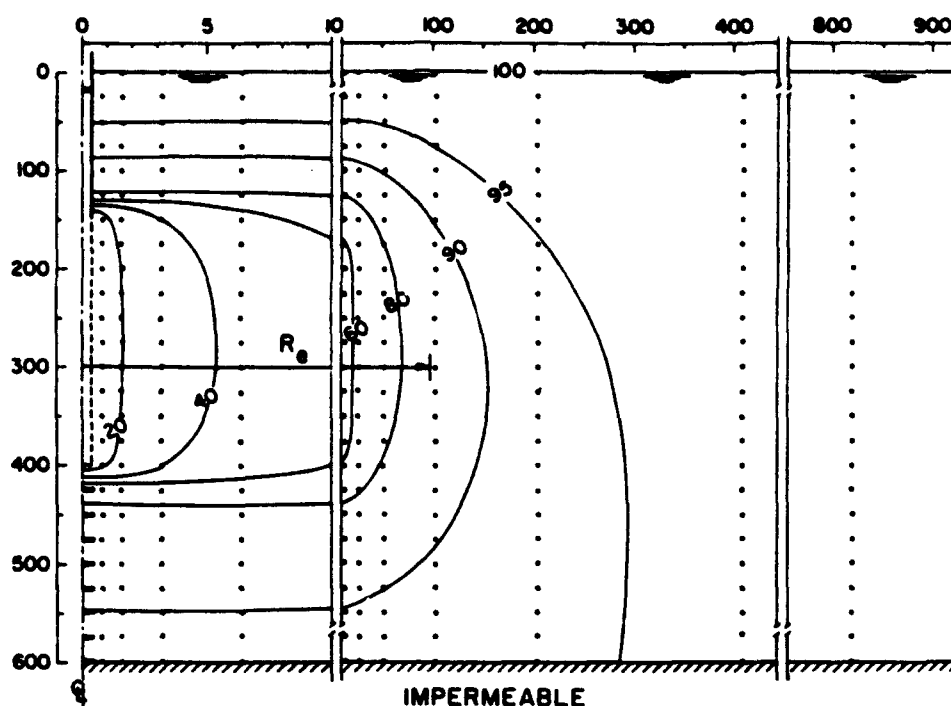


Fig. 2. Node arrangement (dots) for resistance network analog and potential distribution (indicated as percentages on equipotentials) for system with $L/r_w = 625$, $H/r_w = 1000$, and $D/r_w = 1500$. The numbers on the left and at the top of the figure are arbitrary length units (note breaks in horizontal scale).

less than the flow when the layer is taken as being infinitely permeable. The average of the two flows can then be taken as a good estimate of the flow that would occur if the aquifer were represented on the analog as being uniform to infinite depth [Bouwer, 1967]. This average flow was used to calculate R_e for $D = \infty$.

The analog analyses were performed by simulating a system with certain values of r_w , H , and D . The electrical current entering the 'well' was then measured for different values of L , ranging from near H to near 0. This was repeated for other values of r_w , H , and D . The condition where $L = H$ could not be simulated on the analog because it would mean a short between the water table as the source and the well as the sink. The electrical current flow in the analog was converted to volume per day, and $\ln R_e/r_w$ was evaluated with (1) for each combination of r_w , H , L , and D used in the analog.

For a given geometry described by r_w , H , and D , the current flow Q_i into the simulated well varied essentially linearly with L and could be described by the equation

$$Q_i = mL + n \quad (7)$$

Because of the linearity between Q_i and L the results of the analyses could be extrapolated to the condition $L = H$. The values of m in (7) appeared to vary inversely with $\ln H/r_w$. The values of n varied approximately linearly with $\ln [(D - H)/r_w]$, the slope A and intercept B in these relations being a function of L/r_w . This enabled the derivation of the following empirical equation relating $\ln R_e/r_w$ to the geometry of the system:

$$\ln \frac{R_e}{r_w} = \left[\frac{1.1}{\ln (H/r_w)} + \frac{A + B \ln [(D - H)/r_w]}{L/r_w} \right]^{-1} \quad (8)$$

In this equation, A and B are dimensionless coefficients that are functions of L/r_w , as shown in Figure 3. If $D \gg H$, an increase in D has no measurable effect on $\ln R_e/r_w$. The analog

results indicated that the effective upper limit of $\ln [(D - H)/r_w]$ is 6. Thus if D is considered infinity or $(D - H)/r_w$ is so large that $\ln [(D - H)/r_w]$ is greater than 6, a value of 6 should still be used for the term $\ln [(D - H)/r_w]$ in (8).

If $D = H$, the term $\ln [(D - H)/r_w]$ in (8) cannot be used. The analog results indicated that for this condition, which is the case of a fully penetrating well, (8) should be modified to

$$\ln R_e/r_w = \left(\frac{1.1}{\ln (H/r_w)} + \frac{C}{L/r_w} \right)^{-1} \quad (9)$$

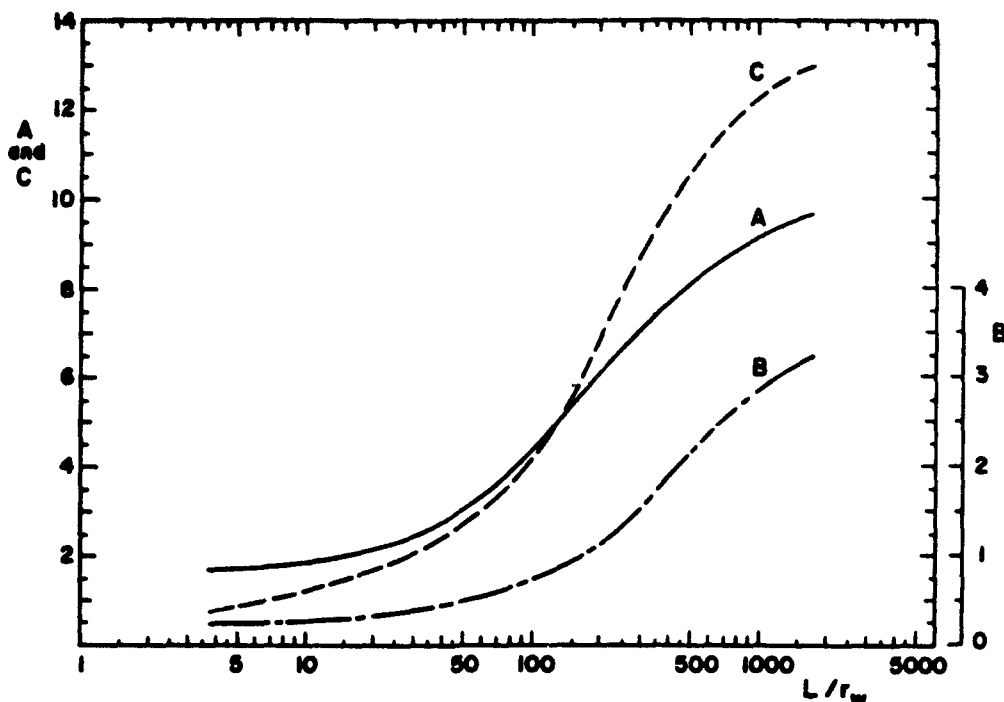
where C is a dimensionless parameter that is a function of L/r_w as shown in Figure 3.

Equations (8) and (9) yield values of $\ln R_e/r_w$ that are within 10% of the actual value as evaluated by analog if $L > 0.4H$ and within 25% if $L \ll H$ (for example, $L = 0.1H$).

The analog analyses were performed for wells that were closed at the bottom. Occasionally, however, wells with open bottoms were also simulated. The flow through the bottom appeared to be negligible for all values of r_w and L used in the analyses. If L is not much greater than r_w (for example, $L/r_w \ll 4$), the system geometry approaches that of a piezometer cavity [Bouwer and Jackson, 1974], in which case the bottom flow can be significant. Equations (8) and (9) can also be used to evaluate $\ln R_e/r_w$ if a portion of the perforated or otherwise open part of the well is isolated with packers for the slug test.

Equipotentials for the flow system around a partially penetrating, partially perforated well in an unconfined aquifer after lowering the water level in the well are shown in Figure 2. The numbers along the symmetry axis and the water table represent arbitrary length units. The numbers on the equipotentials indicate the potential as a percentage of the total head difference between the water table (100%) and the open portion of the well (0%) shown as a dashed line.

The value of R_e for the case in Figure 2 is 96.7 length units. As shown in the figure, this corresponds approximately to the

Fig. 3. Curves relating coefficients A, B, and C to L/r_w .

85% equipotential when R_e is laterally extended from the center of the open portion of the well. Thus most of the head loss in the flow system occurs in a cylinder with radius R_e , which is indicative of the horizontal extent of the portion of the aquifer sampled for K or T . The vertical extent is somewhat greater than L , as indicated by, for example, the 80% equipotential in Figure 2.

To estimate the rate of rise of the water level in a well after it is suddenly lowered, (5) can be written as

$$t = \frac{r_c^2}{2KL} \ln \frac{R_e}{r_w} \ln \frac{y_0}{y_i} \quad (10)$$

By taking $y_i = 0.9y_0$, (10) reduces to

$$t_{90\%} = 0.0527 \frac{r_c^2}{KL} \ln \frac{R_e}{r_w} \quad (11)$$

where $t_{90\%}$ is the time that it takes for the water level to rise 90% of the distance to the equilibrium level. By assuming a permeable aquifer with $K = 30$ m/day, a well with $r_c = 0.2$ m and $L = 10$ m, and $\ln(R_e/r_w) = 3$, (11) yields $t_{90\%} = 1.82$ s. Thus if y_0 is taken as 30 cm, it takes 1.8 s for the water level to rise 27 cm, another 1.8 s for the next 2.7 cm (90% of the remaining 3 cm), and another 1.8 s for the next 0.27 cm, or a total of 5.4 s for a rise of 29.97 cm. Measurement of this fast rise requires a sensitive and accurate transducer and a fast-response recorder. The rate of rise can be reduced by allowing groundwater to enter through only a portion of the open section of the well, as can be accomplished with packers.

For a moderately permeable aquifer with, for example, $K = 1$ m/day, a well with $r_c = 0.1$ m and $L = 20$ m, and $\ln(R_e/r_w) = 5$, (11) yields $t = 11.4$ s. In this case, it would take the water level 22.8 s to rise from 30 cm to 0.3 cm below static level.

EXAMPLE

A slug test was performed on a cased well in the alluvial deposits of the Salt River bed west of Phoenix, Arizona. The well, known as the east well, is located about 20 m east of six

rapid infiltration basins for groundwater recharge with sewage effluent [Bouwer, 1970]. The static water table was at a depth of 3 m, $D = 80$ m, $H = 5.5$ m, $L = 4.56$ m, $r_c = 0.076$ m, and r_w was taken as 0.12 m to allow for development of the aquifer around the perforated portion of the casing. A Statham PM131TC pressure transducer was suspended about 1 m below the static water level in the well (when trade names and company names are included, they are for the convenience of the reader and do not imply preferential endorsement of a particular product or company over others by the U.S. Department of Agriculture). A solid cylinder with a volume equivalent to a 0.32-m change in water level in the well was also placed below the water level. When the water level had returned to equilibrium, the cylinder was quickly removed. The transducer output, recorded on a Sargent millivolt recorder, yielded the y - t relationship shown in Figure 4 with y plotted on a logarithmic scale. The straight-line portion is the valid part of the readings. The actual y_0 value of 0.29 m indicated by the straight line is close to the theoretical value of 0.32 m calculated from the displacement of the submerged cylinder.

Extending the straight line in Figure 4 shows that for the arbitrarily selected t value of 20 s, $y = 0.0025$ m. Thus $(1/t) \ln y_0/y_i = 0.238 \text{ s}^{-1}$. The value of $L/r_w = 38$, for which Figure 3 yields $A = 2.6$ and $B = 0.42$. Substituting these values into (8) and using the maximum value of 6 for $\ln[(D-H)/r_w]$ (since $\ln[(D-H)/r_w]$ for the well exceeds 6) yield $\ln(R_e/r_w) = 2.37$. Equation (5) then gives $K = 0.00036 \text{ m/s} = 31 \text{ m/day}$. This value agrees with K values of 10 and 53 m/day obtained previously with the tube method on two nearby observation wells [Bouwer, 1970]. These K values were essentially point measurements on the aquifer immediately around the well bottoms, which were at depths of 9.1 and 6.1 m, respectively.

COMPARISONS

Piezometer method. The geometry to which (8) and (9) and the coefficients in Figure 3 apply overlaps the geometry of the

piezometer method at the lower values of L/r_w . With the piezometer method a cavity is augered out in the soil below a piezometer tube. The water level in the tube is abruptly lowered, and K of the soil around the cavity is calculated from the rate of rise of the water level in the tube [Bouwer and Jackson, 1974]. The equation for K is

$$K = \frac{\pi r_w^2}{A_V} \frac{1}{t} \ln \frac{y_0}{y_1} \quad (12)$$

where A_V is a geometry factor with dimension of length. Values of A_V were evaluated with an electrolytic tank analog by Youngs [1968], whose results were expressed in tabular form as A_V/r_w for different values of L/r_w (ranging between 0 and 8), $(H - L)/r_w$, and $(D - H)/r_w$.

Taking a hypothetical case where $L/r_w = 8$, $H/r_w = 12$, and $D/r_w = 16$, K calculated with (5) is 18% below K calculated with (12). This is more than the 10% error normally expected with (8) and (9) for the L/H value of 0.67 in this case. The larger discrepancy may be due to the difference in methodology, or to the fact that the L/r_w value is close to the lower limit of the range covered on the resistance network analog.

An approximate equation for calculating K with the piezometer method was presented by Hvorslev [1951]. The equation, which is based on the assumptions of an ellipsoidal cavity or well screen and infinite vertical extent (upward and downward) of the flow system, contains a term $[1 + (L/2r_w)^2]^{1/2}$. For most well-slug-test geometries, $L/2r_w$ will be sufficiently large to permit replacement of this term by $L/2r_w$. In that case, however, Hvorslev's equation for Q yields $R_s = L$, which is not true. In reality, R_s is considerably less than L . For example, if $L = 40$ m, $r_w = 0.4$ m, $H = 80$ m, and $D = \infty$, (8) shows that $R_s = 11.9$ m, which is much less than the value of 40 m indicated by Hvorslev's equation. However, since the calculation of K is based on $\ln(R_s/r_w)$ as shown by (5), the error in K is less than the error in R_s (i.e., 36 and 236%, respectively, in this case).

If, for the above example, the top of the well screen or cavity had been taken at the same level as the water table ($H = 40$ m), R_s would have been 8.6 m and Hvorslev's equation would have yielded a K value that is 50% higher than K given by (5). The larger error is probably due to Hvorslev's assumption of infinite vertical (upward) extent of the flow system, which is not met when the cavity is immediately below the water table. Using Hvorslev's equation for cavities immediately below a confining layer would increase the error to 73%, but this, of course, is due to the fact that a water table is not a solid boundary. Hvorslev's equation for the confining layer case can be shown to yield $R_s = 2L$.

Auger hole method. The analog analyses for (8) and (9) and Figure 3 were performed for $L < H$, because short circuiting between the water table and the well prevented simulation of the case where $L = H$. If the analog results are extrapolated to $L = H$, however, the geometry of the system in Figure 1 becomes similar to that of the auger hole technique, for which a number of equations and graphs have been developed to calculate K from the rise of the water level in the well [Bouwer and Jackson, 1974]. Boast and Kirkham [1971], for example, developed the equation

$$K = C_{BK} \frac{\Delta y}{\Delta t} \quad (13)$$

where C_{BK} was determined mathematically and expressed in tabular form for various values of L/r_w , $(D - H)/r_w$, and y_0/H . Since the rate of rise of the water level in the hole after

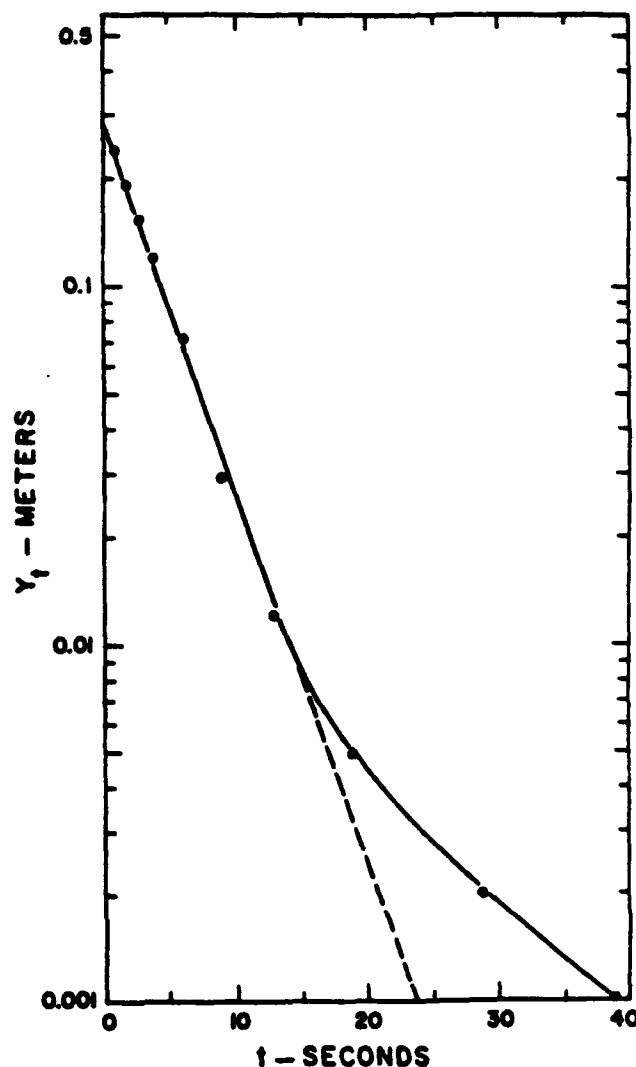


Fig. 4. Plot of y versus t for slug test on east well.

the removal of a slug of water decreases with decreasing y , $\Delta y/\Delta t$ is not a constant and the value of K obtained with this procedure depends on the magnitude of Δy used in the field measurements. The general rule is that Δy should be relatively small.

Taking a hypothetical case where $y_0 = 2.5$ m, $y_1 = 2.4$ m, $\Delta t = 10$ s, $L = H = 5$ m, $D = 6$ m, and $r_w = 0.1$ m, (5) yields a K value that is 36% lower than K calculated with (13). However, if y_1 is taken as 0.5 m, which should give $\Delta t = 394$ s according to the theory that $(1/t) \ln y_0/y_1$ is constant, the K value yielded by (5) is 26% higher than K obtained with (13). If y_1 is taken as 0.9 m, (5) and (13) give identical results.

Slug test on wells in confined aquifers. The confined aquifer for which the slug test by Cooper *et al.* [1967] was developed is an aquifer with an internal water source, for example, recharge through aquitards or compression of confining layers or other material. This situation is similar to that of the unconfined aquifer presented in this paper because the water table is considered horizontal, like the upper boundary of a confined aquifer, and the water table is a plane source. Thus K or T calculated with (5) or (6) should be of the same order as K calculated with the procedure of Cooper *et al.* [1967], which involves plotting the rise of the water level in the well and finding the best fit on a family of type curves. Cooper *et al.* [1967] presented an example of the calculation of T for a well

with $r_c = r_w = 0.076$ m and $L = 98$ m. The resulting value of T was 45.8 m²/day. Values of D and H for this well were not given. However, since the well was 122 m deep and completely penetrating (at least theoretically), D and H must have been between 98 and 122 m. Assuming that both D and H were 100 m, (6) yields $T = 62.8$ m²/day, which is compatible with T obtained by Cooper et al.

CONCLUSIONS

The hydraulic conductivity of an aquifer near a well can be calculated from the rise of the water level in the well after a slug of water is suddenly removed. The calculation is based on the Thiem equation, using an effective radius R_e for the distance over which the head difference between the equilibrium water table in the aquifer and the water level in the well is dissipated. Values of R_e were evaluated by electrical resistance network analog. An empirical equation was then developed to relate R_e to the geometry of the system. This equation is accurate to within 10–25%, depending on how much of the well below the water table is perforated or otherwise open. The technique is applicable to partially or completely penetrating wells in unconfined aquifers. It can also be used to estimate the hydraulic conductivity of confined aquifers that receive water from the upper confining layer through recharge or compression.

The vertical distance between the rising water level in the well and the equilibrium water table in the aquifer must yield a straight line when it is plotted on a logarithmic scale against time. This can be used to check the validity of field measurements and to obtain the best-fitting line for calculating the hydraulic conductivity. Permeable aquifers produce rapidly rising water levels that can be measured with fast-response pressure transducers and strip chart recorders or x - y plotters. The portion of the aquifer sampled for hydraulic conductivity with the slug test is approximately a cylinder with radius R_e and a height somewhat larger than the perforated or otherwise open section of the well.

Hydraulic conductivity values obtained with the proposed slug test are compatible with those yielded by the auger hole and piezometer techniques where the geometries of the systems overlap, and by a slug test for completely penetrating wells in confined aquifers.

REFERENCES

- Boast, C. W., and D. Kirkham, Auger hole seepage theory, *Soil Sci. Soc. Amer. Proc.*, 35(3), 365–374, 1971.
- Bouwer, H., A study of final infiltration rates from ring infiltrometers and irrigation furrows with a resistance network analog, in *7th International Congress of Soil Science*, vol. 1, pp. 448–456, International Society of Soil Science, Madison, Wis., 1960.
- Bouwer, H., Analyzing subsurface flow systems with electric analogs, *Water Resour. Res.*, 3(3), 897–907, 1967.
- Bouwer, H., Ground water recharge design for renovating waste water, *J. Sanit. Eng. Div. Amer. Soc. Civil Eng.*, 96(SA1), 59–74, 1970.
- Bouwer, H., and R. D. Jackson, Determining soil properties, in *Drainage for Agriculture, ASA Monogr. 17*, chap. 23, sect. 10, edited by J. van Schilfgaarde, pp. 611–672, American Society of Agronomy, Madison, Wis., 1974.
- Cooper, H. H., Jr., J. D. Bredehoeft, and I. S. Papadopoulos, Response of a finite diameter well to an instantaneous charge of water, *Water Resour. Res.*, 3, 263–269, 1967.
- Hvorslev, J. M., Time lag and soil permeability in ground-water observations, *Bull. 36*, 50 pp., U.S. Corps of Eng., Waterways Exp. Sta., Vicksburg, Miss., 1951.
- Liebmann, G., Solution of partial differential equations with a resistance network analogue, *Brit. J. Appl. Phys.*, 1, 92–103, 1950.
- Lohman, S. W., Groundwater hydraulics, *U.S. Geol. Surv. Prof. Pap. 708*, 70 pp., 1972.
- Skibitzke, H. E., An equation for potential distribution about a well being bailed, open file report, U.S. Geol. Surv., Washington, D. C., 1958.
- Youngs, E. G., Shape factors for Kirkham's piezometer method for determining the hydraulic conductivity of soil *in situ* for soils overlying an impermeable floor or infinitely permeable stratum, *Soil Sci.*, 106(3), 235–237, 1968.

(Received June 2, 1975;
revised January 19, 1976;
accepted January 23, 1976.)



September 11, 1992

IT Project No.: 409721

Mr. Fritz Lebow
Martin Marietta Energy Systems, Inc.
HAZWRAP
Tri-County Mall, MS 7606
Post Office Box 2003
Oak Ridge, Tennessee 37831-7606

Report on Results of Additional Slug Tests at
Arizona Air National Guard Base (Sky Harbor ANGB)
and Papago Military Reservation, General Order
Number 12B-99886C, Task Order K-09; (A1T116)

Dear Fritz:

Enclosed are the results of the subject tests made during July 27 - 30, 1992. These tests were conducted to supplement existing data in the Draft Final Site Investigation (SI) Report dated August 1992. These results will be incorporated in the Final SI Report as explained below.

All remaining wells were slug tested except MWS-03. As discussed at the August 4, 1992 meeting in Phoenix, Arizona, this well was disturbed by construction activities in the area and could not be located. It is recommended that the Base locate the well and make any repairs as necessary to restore the well's integrity.

Table 3-0 provides the results of all slug tests. Groundwater flow velocity was calculated using the measured hydraulic conductivity (K; ft/yr) and applying the dimensionless values for hydraulic gradient ($i = 0.002$ (min); 0.005 (max))^{1/2} and porosity ($\eta = 0.50$ (min); 0.25 (max)) in the equation:

$$V = Ki/\eta$$

Velocities are expressed in ft/yr and cm/s as requested by the Air National Guard Readiness Center.

Mr. Fritz Lebow

2

September 11, 1992

As a result of the additional tests and existing data, the minimum and maximum flow at the Base and Papago are calculated as follows:

	<u>Min.</u>	<u>Max.</u>
Base:	3.0×10^{-5} cm/s (31 ft/yr)	1.3×10^{-3} cm/s (1,304 ft/yr)
Papago:	6.0×10^{-8} cm/s (0.1 ft/yr)	5.6×10^{-6} cm/s (6 ft/yr)

$i = 0.001$ (min); 0.01 (max) for Papago.

The SI Report, Pages 3-2 through 3-4, will be changed to reflect the slug tests results as indicated in Attachment 1, and a new Table 3-0 will be added (Attachment 2).

Please call if you have any questions.

Sincerely,



Don Willen
Project Manager

DW:ltd
Attachments

depths ranging from 66 to 83 feet below land surface, depending on location and water table fluctuations. These depths correspond to water-table elevations of 1,048 to 1,032 feet msl. Samples of aquifer materials collected during drilling indicate that the uppermost portion of the aquifer consists of medium-to coarse-grained sand and gravel.

Appendix J contains a listing of water level measurements conducted during the investigation; hydrographs of monitoring wells at the Base are presented in Figures 3-2 and 3-3. The hydrographs depict a general rising trend in all wells and piezometers at the Base beginning between days 50 and 70 of the monitoring period (March to April); this is tentatively correlated with the occurrence of flow in the Salt River, south of the site. During the June 1991 measurement period, water levels remained above January through March levels. *Heavy rains increased water levels in March 1992.*

Figures 3-4 through 3-6 ^(A) present potentiometric maps for measurement dates of February 20, April 18-19, ^{AND} June 30, 1991, respectively. February measurements were taken at the completion of the first phase of field activities, prior to flow in the river. April measurements were collected prior to the first round of groundwater sampling. June measurements were collected prior to the confirmation groundwater sampling. The February map, in general, depicts a groundwater flow direction to the northwest and a hydraulic gradient of approximately 0.002 foot/foot. The April map depicts a similar northwest flow direction with a hydraulic gradient of approximately 0.005 foot per foot. The change in gradient is likely associated with river flow conditions. The June map also depicts a northwest groundwater flow direction and a hydraulic gradient of approximately 0.0025 foot per foot.

The gradient in March 1992 was approximately 0.005 foot per foot and the flow direction maintained a northwesterly direction.

Hydraulic conductivity of the upper alluvial unit has been measured to be approximately 180 to 1,700 feet per day or 6×10^{-2} to 6×10^{-1} cm/s (Brown and Pool, 1989). Slug tests at the Base also indicate high K values, ranging from 6×10^{-2} cm/s (MWS-01) to 5×10^{-2} cm/s

~~(MW1-02).~~

7.4×10^{-3} cm/s (MW2-02) to

Review of boring logs contained in Appendix E indicates that the most prevalent aquifer materials are coarse sand and gravel. Published values of porosity for these materials range from 25 to 50 percent (Freeze and Cherry, 1979). Using the hydraulic gradients and K values previously discussed, an average interstitial groundwater flow velocity can be calculated using the following equation:

$$V = (Ki)/n$$

where:

- V = Average velocity (L/T)
- K = Hydraulic conductivity (L/T)
- i = Hydraulic gradient (dimensionless)
- n = Effective porosity (dimensionless)

The minimum groundwater flow velocity is thus calculated to be approximately 2.4×10^{-2} cm/s (2.4×10^{-2} ft/yr) to a maximum of 1.3×10^{-3} cm/s (1.3×10^{-3} ft/yr). These velocities represent an average rate through various materials along a selected flow path. Groundwater will flow at different rates and directions depending on local variations in grain size and hydraulic conductivity. *TABLE 3-0 PROVIDES THE HYDRAULIC CONDUCTIVITY AND GROUNDWATER VELOCITIES FOR THE BASE.*

3.1.2 Papago Military Reservation

3.1.2.1 Geology

As discussed in Section 1.5.4, Papago Military Reservation is set in an area of intermixed sedimentary and volcanic deposits. Borings from piezometers and monitoring wells indicate the presence of caliche to a depth of approximately 10 feet bgl and volcanic breccia underlying the caliche. These geologic data are consistent with the presence of Quaternary alluvium and colluvium and the Barnes Butte Member of the Tertiary Camels Head Formation underlying the site. A diagrammatic geological cross section of the Papago area is presented in Figure 3-7.

3.1.2.2 Hydrology

Two monitoring wells and three piezometers were installed during the SI at Papago Military Reservation (Figure 2-7). Groundwater occurs at a depth of approximately 27 to 37 feet below ground level, corresponding to an elevation of 1,211 to 1,214 feet msl. Water occurs under unconfined conditions in very low to moderately permeable bedrock. Figure 3-8 presents a hydrograph of monitoring wells and piezometers at Papago; individual water-level measurements are presented in Appendix J.

Observations made during drilling and development of piezometers and monitoring wells suggest that groundwater flow at Papago is primarily controlled by fractures in well-indurated deposits. As depicted in the hydrograph, PP-03 and MW4-01 required more than one week for water levels to recover to elevations similar to those observed in surrounding wells and their eventual static levels following development and sampling. Other wells and piezometers produce water readily.

Groundwater flow direction at Papago is generally northwesterly or southwesterly, depending on measurement points used to calculate the flow direction. A westerly-oriented wedge-like groundwater mound also causes groundwater to flow northwesterly and southwesterly. The hydraulic gradient is approximately 0.001 foot/foot to 0.01 foot/foot. Groundwater flow conditions for February and April 1991¹ are provided in Figures 3-9² and 3-10³ respectively. *THROUGH MARCH 1992*

INSERT
① Hydraulic conductivity at Papago was not measured during the SI due to field logistics. Slug tests were scheduled to be conducted after groundwater sampling was completed; however, due to the slowly recharging nature of the wells, water levels had not yet returned to pre-sampling or static conditions prior to demobilization of field crews.

3.2 Background Sampling Results

To evaluate the significance of concentrations of detected compounds at each investigation site, a background soil and groundwater characterization effort was conducted. Background soil samples were collected away from known waste management units and groundwater samples were collected from locations upgradient of facilities at both the 161AREFG and at Papago. Soil sampling depths varied due to the geology and are discussed in Section 3.2.1 (161AREFG) and Section 3.2.2 (Papago).

A
Analytical Data Discussion. The following sections discuss the results of chemical analytical data obtained as a result of soil and groundwater samples collected at the Base and Papago during the SI. Analytical data have been validated based on guidelines established by the U.S. EPA and described in the documents "Functional Guidelines for Evaluating Organic Analyses" (U.S. EPA, 1988a) and "Functional Guidelines for Evaluating Inorganic Analyses" (U.S. EPA, 1988b). Thus, results presented herein have been evaluated in conjunction with respective field and lab QC samples. The validation includes adding data qualifiers to alert data users of conditions in the laboratory setting that may have affected sample data. This might include conditions such as method blank contamination or instrument calibration inconsistencies. These conditions are not new to chemical analytical laboratories, but as a result of the data validation process, data users may be ensured that data are valid and accurate to the highest degree possible as indicated by the unique qualifiers. Following are definitions of the data qualifiers used by laboratories and in the validation process:

- U - The material was analyzed for, but was not detected. The associated value is the sample quantitation limit.
- J - The associated numerical value is an estimated quantity.

Insert 1 to Attachment 1

Hydraulic conductivity at Papago is extremely slow and slug tests required long recovery times. As indicated in Table 3-0, the minimum groundwater flow velocity is approximately 6.0×10^{-8} cm/s (0.1 ft/yr) to a maximum of 5.6×10^{-6} cm/s (6 ft/yr).

TABLE 3-0
HYDRAULIC CONDUCTIVITIES AND GROUNDWATER
VELOCITIES AT SKY HARBOR ANGB AND PAPAGO
161 AREFG, PHOENIX, ARIZONA

WELL	HYDRAULIC CONDUCTIVITY FT/YR ^a	VELOCITY FT/YR	HYDRAULIC CONDUCTIVITY CM/S ^b	VELOCITY CM/S
SKY HARBOR				
MW1-02	54,836	1,097	5.3×10^{-2}	1.1×10^{-3}
MW2-02	7,674	31	7.4×10^{-3}	3.0×10^{-5}
MW3-01	57,711	1,154	5.5×10^{-2}	1.1×10^{-3}
MW3-02	46,989	940	4.5×10^{-2}	9.0×10^{-4}
MW5-01	17,502	350	1.7×10^{-2}	3.4×10^{-4}
MWS-01	65,183	1,304	6.3×10^{-2}	1.3×10^{-3}
MWS-02	29,234	585	2.8×10^{-2}	5.6×10^{-4}
MWS-03	^c			
MWS-04	28,908	578	2.8×10^{-2}	5.6×10^{-4}
PAPAGO				
MW4-01	148	6	1.4×10^{-4}	5.6×10^{-6}
MW4-02	31	0.1	3.0×10^{-5}	6.0×10^{-8}

^a FT/YR = feet/year

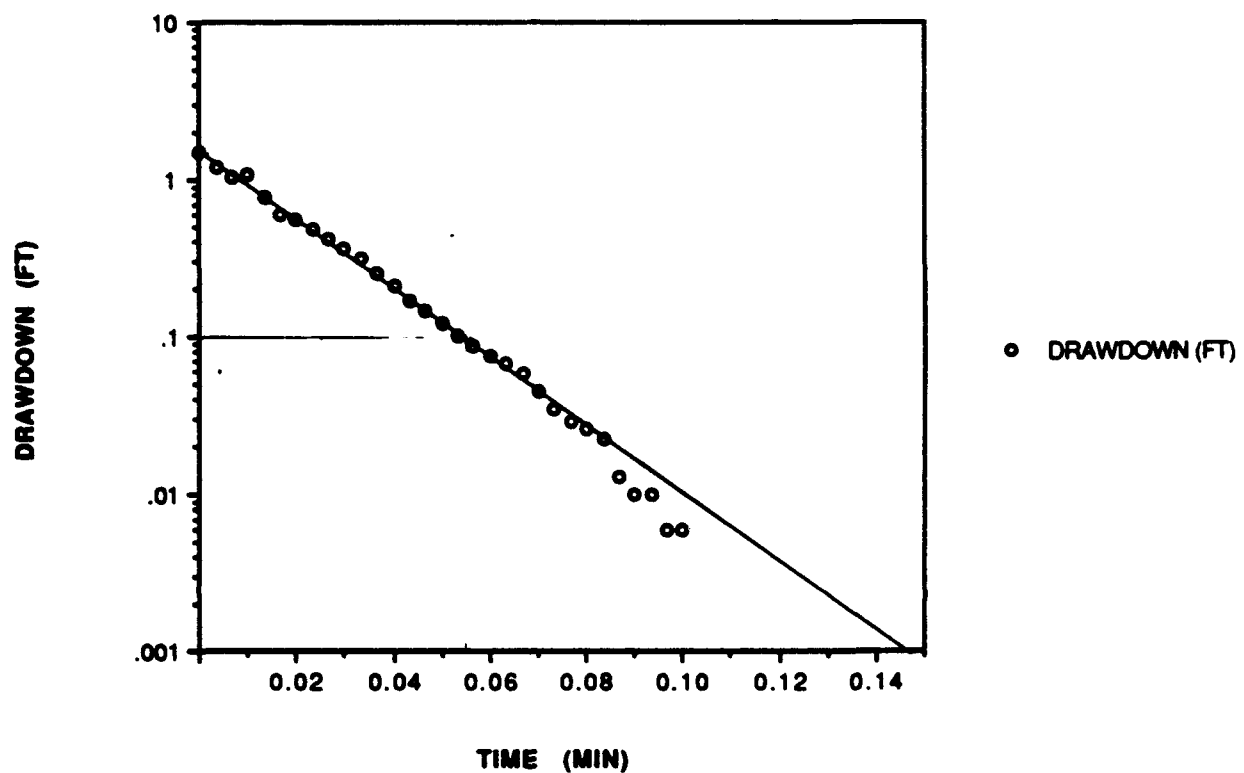
^b CM/S = centimeters/second

^c Note, MWS-03 was not slug tested due to construction disturbance.

WELL	SLUG IN/OUT	HYDRAULIC CONDUCTIVITY (FT/MIN)	HYDRAULIC CONDUCTIVITY (FT/SEC)
MW2-02	OUT	1.460E-02	2.433E-04
MW3-01	OUT	1.098E-01	1.830E-03
MW3-02	OUT	8.940E-02	1.490E-03
MW4-01	IN	2.810E-04	4.683E-06
MW4-01	OUT	8.980E-05	1.497E-06
MW4-02	IN	8.210E-05	1.368E-06
MW4-02	OUT	5.920E-05	9.867E-07
MW5-01	OUT	3.330E-02	5.550E-04
MWS-02	IN	5.562E-02	9.270E-04
MWS-04	OUT	5.500E-02	9.167E-04

INITIAL DRAWDOWN/BUILDUP, Y0	1.468
DRAWDOWN/BUILDUP AT TIME T, YT	0.1
TIME, T	0.55
SCREEN LENGTH, L	50
INITIAL SATURATED THICKNESS, D	350
DISTANCE FROM BOTTOM OF SCREEN TO WATER TABLE, H	48.9
WELL RADIUS (INCLUDING GRAVEL PACK), RW	0.4
CASING RADIUS, RC	0.16
GRAVEL PACK POROSITY (0 IF SIMILAR TO FORMATION), N	0.35
NEW RC BASED ON GRAVEL PACK POROSITY	0.26951809
COEFFICIENT A	5
COEFFICIENT B	0.85
LN((D-H)/RW)	6.62373317
IF LN((D-H)/RW)>6 THEN SET IT EQUAL TO 6 HERE OTHERWISE COPY IT	6
LN(RE/RW)	4.11217647
ESTIMATE OF HYDRAULIC CONDUCTIVITY, K	0.01459048

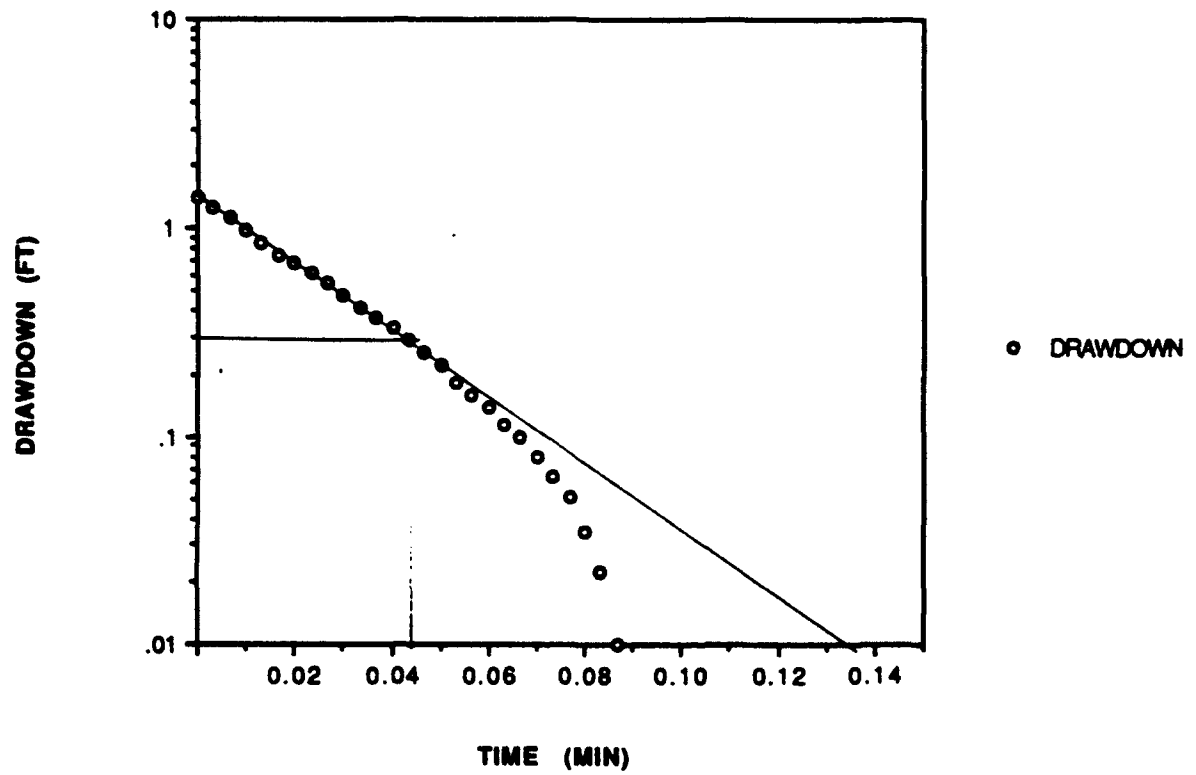
WELL MW2-02 SLUG OUT



	TIME	DRAWDOWN	TIME (MIN)
1	0.0366	1.468	0.000
2	0.0400	1.181	0.003
3	0.0433	1.032	0.007
4	0.0466	1.080	0.010
5	0.0500	0.780	0.013
6	0.0533	0.592	0.017
7	0.0566	0.560	0.020
8	0.0600	0.481	0.023
9	0.0633	0.411	0.027
10	0.0666	0.366	0.030
11	0.0700	0.306	0.033
12	0.0733	0.252	0.037
13	0.0766	0.207	0.040
14	0.0800	0.169	0.043
15	0.0833	0.143	0.047
16	0.0866	0.121	0.050
17	0.0900	0.099	0.053
18	0.0933	0.086	0.057
19	0.0966	0.076	0.060
20	0.1000	0.067	0.063
21	0.1033	0.057	0.067
22	0.1066	0.045	0.070
23	0.1100	0.035	0.073
24	0.1133	0.029	0.077
25	0.1166	0.026	0.080
26	0.1200	0.022	0.083
27	0.1233	0.013	0.087
28	0.1266	0.010	0.090
29	0.1300	0.010	0.093
30	0.1333	0.006	0.097
31	0.1366	0.006	0.100

INITIAL DRAWDOWN/BUILDUP, Y0	1.404
DRAWDOWN/BUILDUP AT TIME T, YT	0.3
TIME, T	0.042
SCREEN LENGTH, L	50
INITIAL SATURATED THICKNESS, D	350
DISTANCE FROM BOTTOM OF SCREEN TO WATER TABLE, H	49.88
WELL RADIUS (INCLUDING GRAVEL PACK), RW	0.4
CASING RADIUS, RC	0.16
GRAVEL PACK POROSITY (0 IF SIMILAR TO FORMATION), N	0.35
NEW RC BASED ON GRAVEL PACK POROSITY	0.26951809
COEFFICIENT A	5
COEFFICIENT B	0.85
LN((D-H)/RW)	6.62047313
IF LN((D-H)/RW)>6 THEN SET IT EQUAL TO 6 HERE OTHERWISE COPY IT	6
LN(RE/RW)	4.11217647
ESTIMATE OF HYDRAULIC CONDUCTIVITY, K	0.10976101

WELL MW3-01 SLUG OUT

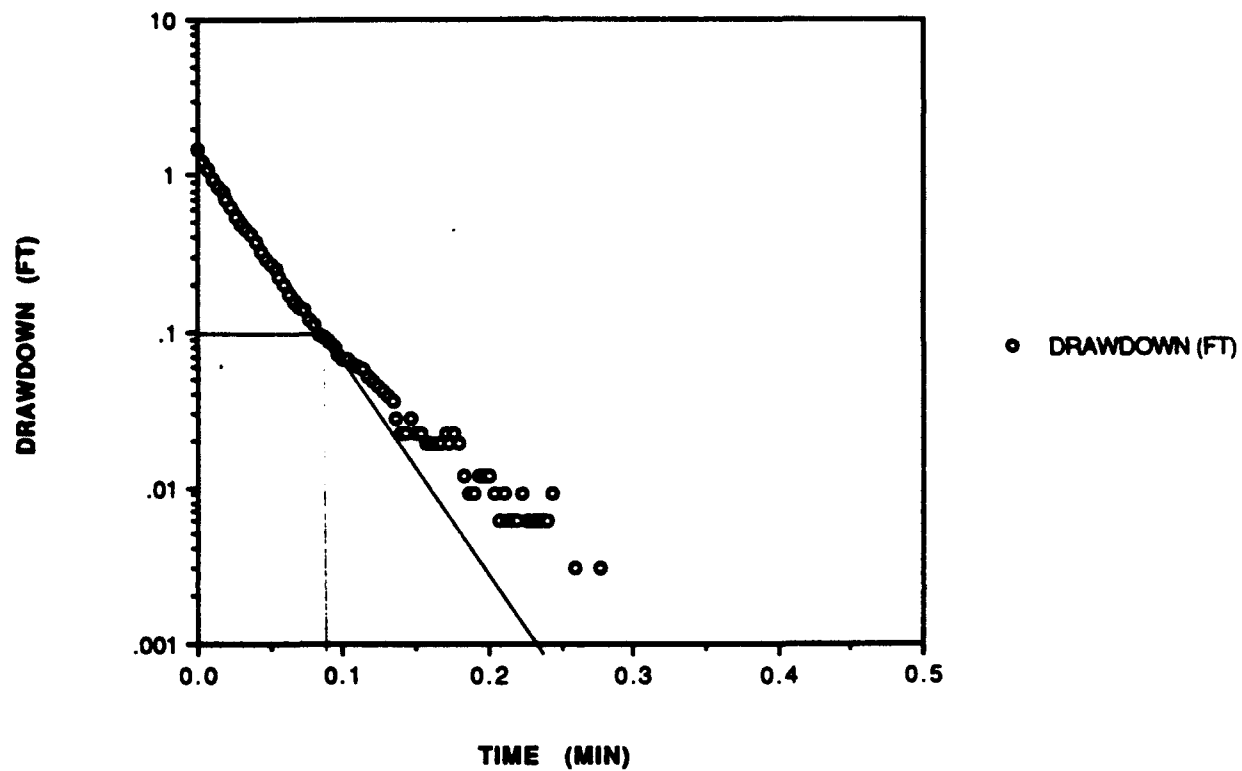


	TIME	DRAWDOWN	TIME (MIN)
1	0.0800	1.404	0.000
2	0.0833	1.267	0.003
3	0.0866	1.127	0.007
4	0.0900	0.981	0.010
5	0.0933	0.860	0.013
6	0.0966	0.751	0.017
7	0.1000	0.678	0.020
8	0.1033	0.615	0.023
9	0.1066	0.545	0.027
10	0.1100	0.484	0.030
11	0.1133	0.420	0.033
12	0.1166	0.369	0.037
13	0.1200	0.331	0.040
14	0.1233	0.293	0.043
15	0.1266	0.252	0.047
16	0.1300	0.220	0.050
17	0.1333	0.182	0.053
18	0.1366	0.159	0.057
19	0.1400	0.137	0.060
20	0.1433	0.115	0.063
21	0.1466	0.099	0.067
22	0.1500	0.080	0.070
23	0.1533	0.064	0.073
24	0.1566	0.051	0.077
25	0.1600	0.035	0.080
26	0.1633	0.022	0.083
27	0.1666	0.010	0.087

MW302OUT.SLUG

INITIAL DRAWDOWN/BUILDUP, Y0	1.48
DRAWDOWN/BUILDUP AT TIME T, YT	0.1
TIME, T	0.09
SCREEN LENGTH, L	50
INITIAL SATURATED THICKNESS, D	350
DISTANCE FROM BOTTOM OF SCREEN TO WATER TABLE, H	49.96
WELL RADIUS (INCLUDING GRAVEL PACK), RW	0.4
CASING RADIUS, RC	0.16
GRAVEL PACK POROSITY (0 IF SIMILAR TO FORMATION), N	0.35
NEW RC BASED ON GRAVEL PACK POROSITY	0.26951809
COEFFICIENT A	5
COEFFICIENT B	0.85
LN((D-H)/RW)	6.62020653
IF LN((D-H)/RW)>6 THEN SET IT EQUAL TO 6 HERE OTHERWISE COPY IT	6
LN(RE/RW)	4.11217647
ESTIMATE OF HYDRAULIC CONDUCTIVITY, K	0.08943423

WELL MW3-02 SLUG OUT



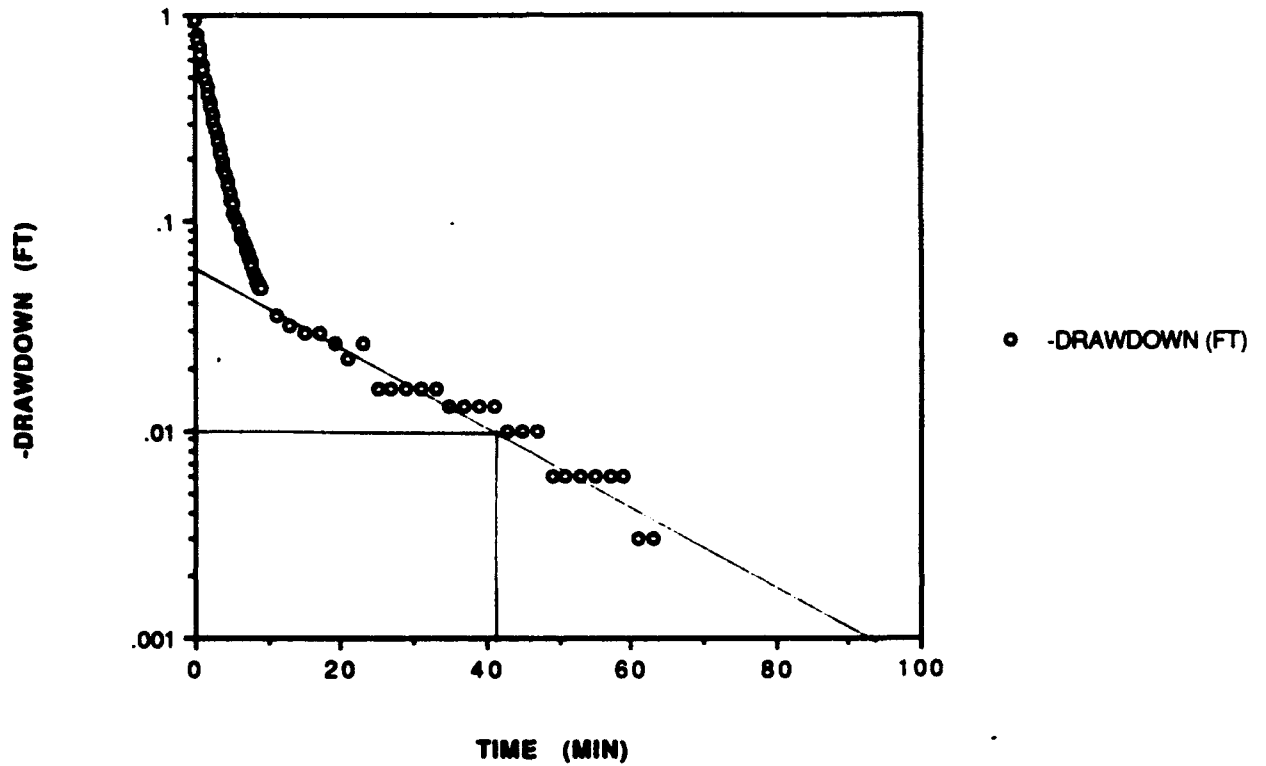
	TIME	DRAWDOWN	TIME (MIN)
1	0.0900	1.480	0.000
2	0.0933	1.206	0.003
3	0.0966	1.098	0.007
4	0.1000	0.961	0.010
5	0.1033	0.856	0.013
6	0.1066	0.783	0.017
7	0.1100	0.694	0.020
8	0.1133	0.621	0.023
9	0.1166	0.554	0.027
10	0.1200	0.496	0.030
11	0.1233	0.458	0.033
12	0.1266	0.417	0.037
13	0.1300	0.372	0.040
14	0.1333	0.328	0.043
15	0.1366	0.289	0.047
16	0.1400	0.267	0.050
17	0.1433	0.254	0.053
18	0.1466	0.229	0.057
19	0.1500	0.203	0.060
20	0.1533	0.175	0.063
21	0.1566	0.156	0.067
22	0.1600	0.146	0.070
23	0.1633	0.137	0.073
24	0.1666	0.121	0.077
25	0.1700	0.111	0.080
26	0.1733	0.095	0.083
27	0.1766	0.092	0.087
28	0.1800	0.086	0.090
29	0.1833	0.079	0.093
30	0.1866	0.073	0.097
31	0.1900	0.067	0.100
32	0.1933	0.067	0.103
33	0.1966	0.063	0.107
34	0.2000	0.060	0.110
35	0.2033	0.057	0.113
36	0.2066	0.051	0.117
37	0.2100	0.047	0.120
38	0.2133	0.044	0.123
39	0.2166	0.041	0.127
40	0.2200	0.038	0.130
41	0.2233	0.035	0.133
42	0.2266	0.028	0.137
43	0.2300	0.022	0.140
44	0.2333	0.022	0.143
45	0.2366	0.028	0.147
46	0.2400	0.022	0.150
47	0.2433	0.022	0.153
48	0.2466	0.019	0.157
49	0.2500	0.019	0.160
50	0.2533	0.019	0.163
51	0.2566	0.019	0.167
52	0.2600	0.022	0.170
53	0.2633	0.019	0.173
54	0.2666	0.022	0.177
55	0.2700	0.019	0.180
56	0.2733	0.012	0.183

TIME	DRAWDOWN	TIME (MIN)
57	0.2766	0.009 0.187
58	0.2800	0.009 0.190
59	0.2833	0.012 0.193
60	0.2866	0.012 0.197
61	0.2900	0.012 0.200
62	0.2933	0.009 0.203
63	0.2966	0.006 0.207
64	0.3000	0.009 0.210
65	0.3033	0.006 0.213
66	0.3066	0.006 0.217
67	0.3100	0.006 0.220
68	0.3133	0.009 0.223
69	0.3166	0.006 0.227
70	0.3200	0.006 0.230
71	0.3233	0.006 0.233
72	0.3266	0.006 0.237
73	0.3300	0.006 0.240
74	0.3333	0.009 0.243
75	0.3500	0.003 0.260
76	0.3666	0.003 0.277

MW401IN.SLUG

INITIAL DRAWDOWN/BUILDUP, Y0	0.06
DRAWDOWN/BUILDUP AT TIME T, YT	0.01
TIME, T	41
SCREEN LENGTH, L	20
INITIAL SATURATED THICKNESS, D	350
DISTANCE FROM BOTTOM OF SCREEN TO WATER TABLE, H	19.73
WELL RADIUS (INCLUDING GRAVEL PACK), RW	0.4
CASING RADIUS, RC	0.16
GRAVEL PACK POROSITY (0 IF SIMILAR TO FORMATION), N	0.35
NEW RC BASED ON GRAVEL PACK POROSITY	0.26951809
COEFFICIENT A	3
COEFFICIENT B	0.5
LN((D-H)/RW)	6.71620123
IF LN((D-H)/RW)>6 THEN SET IT EQUAL TO 6 HERE OTHERWISE COPY IT	6
LN(RE/RW)	3.54132447
ESTIMATE OF HYDRAULIC CONDUCTIVITY, K	0.00028105

WELL MW4-01 SLUG IN



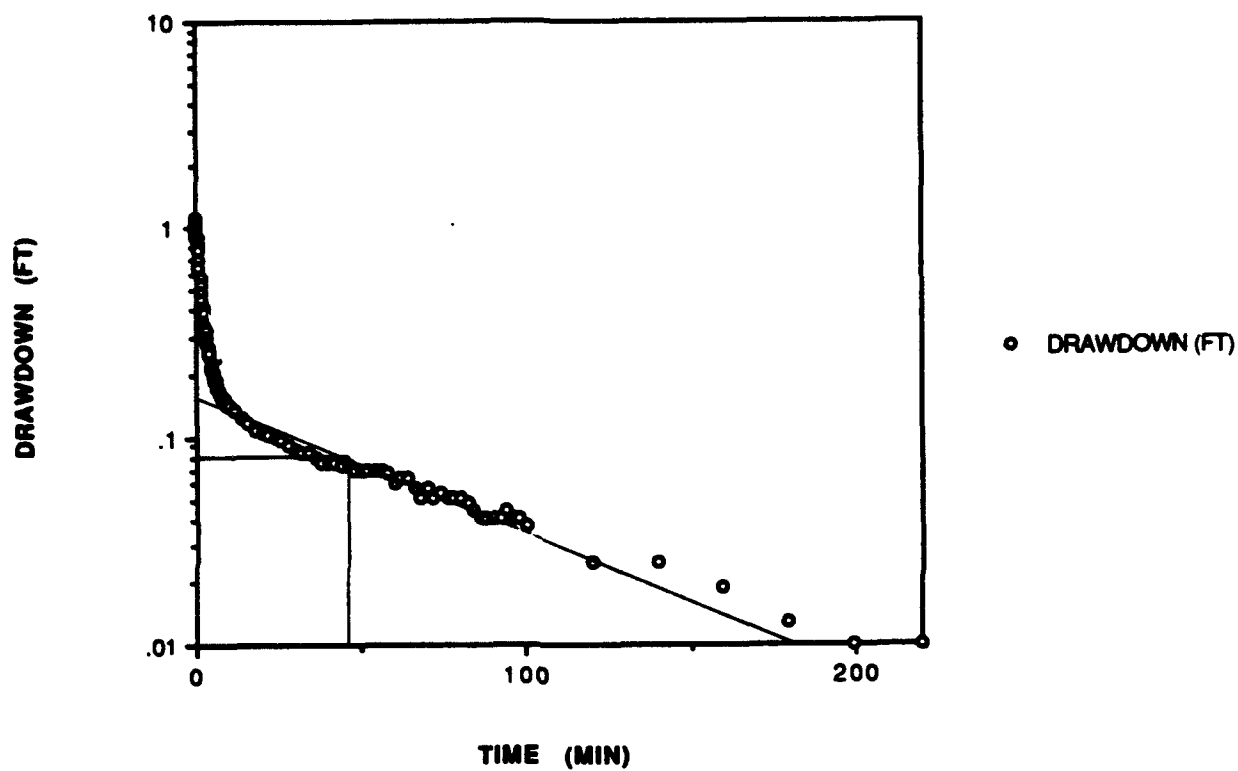
	TIME	DRAWDOWN	TIME (MIN)	-DRAWDOWN
1	1.0000	-0.936	0.000	0.936
2	1.2000	-0.806	0.200	0.806
3	1.4000	-0.767	0.400	0.767
4	1.6000	-0.697	0.600	0.697
5	1.8000	-0.637	0.800	0.637
6	2.0000	-0.583	1.000	0.583
7	2.2000	-0.538	1.200	0.538
8	2.4000	-0.494	1.400	0.494
9	2.6000	-0.452	1.600	0.452
10	2.8000	-0.417	1.800	0.417
11	3.0000	-0.385	2.000	0.385
12	3.2000	-0.357	2.200	0.357
13	3.4000	-0.328	2.400	0.328
14	3.6000	-0.306	2.600	0.306
15	3.8000	-0.280	2.800	0.280
16	4.0000	-0.261	3.000	0.261
17	4.2000	-0.242	3.200	0.242
18	4.4000	-0.226	3.400	0.226
19	4.6000	-0.210	3.600	0.210
20	4.8000	-0.194	3.800	0.194
21	5.0000	-0.182	4.000	0.182
22	5.2000	-0.169	4.200	0.169
23	5.4000	-0.156	4.400	0.156
24	5.6000	-0.147	4.600	0.147
25	5.8000	-0.137	4.800	0.137
26	6.0000	-0.127	5.000	0.127
27	6.2000	-0.121	5.200	0.121
28	6.4000	-0.111	5.400	0.111
29	6.6000	-0.105	5.600	0.105
30	6.8000	-0.099	5.800	0.099
31	7.0000	-0.096	6.000	0.096
32	7.2000	-0.089	6.200	0.089
33	7.4000	-0.083	6.400	0.083
34	7.6000	-0.080	6.600	0.080
35	7.8000	-0.076	6.800	0.076
36	8.0000	-0.073	7.000	0.073
37	8.2000	-0.070	7.200	0.070
38	8.4000	-0.067	7.400	0.067
39	8.6000	-0.064	7.600	0.064
40	8.8000	-0.061	7.800	0.061
41	9.0000	-0.057	8.000	0.057
42	9.2000	-0.054	8.200	0.054
43	9.4000	-0.051	8.400	0.051
44	9.6000	-0.051	8.600	0.051
45	9.8000	-0.048	8.800	0.048
46	10.0000	-0.048	9.000	0.048
47	12.0000	-0.035	11.000	0.035
48	14.0000	-0.032	13.000	0.032
49	16.0000	-0.029	15.000	0.029
50	18.0000	-0.029	17.000	0.029
51	20.0000	-0.026	19.000	0.026
52	22.0000	-0.022	21.000	0.022
53	24.0000	-0.026	23.000	0.026
54	26.0000	-0.016	25.000	0.016
55	28.0000	-0.016	27.000	0.016
56	30.0000	-0.016	29.000	0.016

	TIME	DRAWDOWN	TIME (MIN)	-DRAWDOWN
57	32.0000	-0.016	31.000	0.016
58	34.0000	-0.016	33.000	0.016
59	36.0000	-0.013	35.000	0.013
60	38.0000	-0.013	37.000	0.013
61	40.0000	-0.013	39.000	0.013
62	42.0000	-0.013	41.000	0.013
63	44.0000	-0.010	43.000	0.010
64	46.0000	-0.010	45.000	0.010
65	48.0000	-0.010	47.000	0.010
66	50.0000	-0.006	49.000	0.006
67	52.0000	-0.006	51.000	0.006
68	54.0000	-0.006	53.000	0.006
69	56.0000	-0.006	55.000	0.006
70	58.0000	-0.006	57.000	0.006
71	60.0000	-0.006	59.000	0.006
72	62.0000	-0.003	61.000	0.003
73	64.0000	-0.003	63.000	0.003

MW401OUT.SLUG

INITIAL DRAWDOWN/BUILDUP, Y0	0.15
DRAWDOWN/BUILDUP AT TIME T, YT	0.08
TIME, T	45
SCREEN LENGTH, L	20
INITIAL SATURATED THICKNESS, D	350
DISTANCE FROM BOTTOM OF SCREEN TO WATER TABLE, H	19.73
WELL RADIUS (INCLUDING GRAVEL PACK), RW	0.4
CASING RADIUS, RC	0.16
GRAVEL PACK POROSITY (0 IF SIMILAR TO FORMATION), N	0.35
NEW RC BASED ON GRAVEL PACK POROSITY	0.26951809
COEFFICIENT A	3
COEFFICIENT B	0.5
LN((D-H)/RW)	6.71620123
IF LN((D-H)/RW)>6 THEN SET IT EQUAL TO 6 HERE OTHERWISE COPY IT	6
LN(RE/RW)	3.54132447
ESTIMATE OF HYDRAULIC CONDUCTIVITY, K	8.9836E-05

WELL MW4-01 SLUG OUT



	TIME	DRAWDOWN	TIME (MIN)
1	0.3333	1.137	0.000
2	0.3500	1.124	0.017
3	0.3666	1.111	0.033
4	0.3833	1.099	0.050
5	0.4000	1.086	0.067
6	0.4166	1.073	0.083
7	0.4333	1.060	0.100
8	0.4500	1.048	0.117
9	0.4666	1.038	0.133
10	0.4833	1.025	0.150
11	0.5000	1.016	0.167
12	0.5166	1.006	0.183
13	0.5333	1.000	0.200
14	0.5500	0.987	0.217
15	0.5666	0.981	0.233
16	0.5833	0.971	0.250
17	0.6000	0.962	0.267
18	0.6166	0.952	0.283
19	0.6333	0.946	0.300
20	0.6500	0.936	0.317
21	0.6666	0.930	0.333
22	0.6833	0.920	0.350
23	0.7000	0.911	0.367
24	0.7166	0.904	0.383
25	0.7333	0.898	0.400
26	0.7500	0.888	0.417
27	0.7666	0.882	0.433
28	0.7833	0.876	0.450
29	0.8000	0.866	0.467
30	0.8166	0.860	0.483
31	0.8333	0.853	0.500
32	0.8500	0.847	0.517
33	0.8666	0.841	0.533
34	0.8833	0.831	0.550
35	0.9000	0.825	0.567
36	0.9166	0.818	0.583
37	0.9333	0.812	0.600
38	0.9500	0.806	0.617
39	0.9666	0.799	0.633
40	0.9833	0.793	0.650
41	1.0000	0.786	0.667
42	1.2000	0.701	0.867
43	1.4000	0.640	1.067
44	1.6000	0.586	1.267
45	1.8000	0.535	1.467
46	2.0000	0.494	1.667
47	2.2000	0.455	1.867
48	2.4000	0.420	2.067
49	2.6000	0.392	2.267
50	2.8000	0.344	2.467
51	3.0000	0.344	2.667
52	3.2000	0.322	2.867
53	3.4000	0.303	3.067
54	3.6000	0.287	3.267
55	3.8000	0.271	3.467
56	4.0000	0.261	3.667

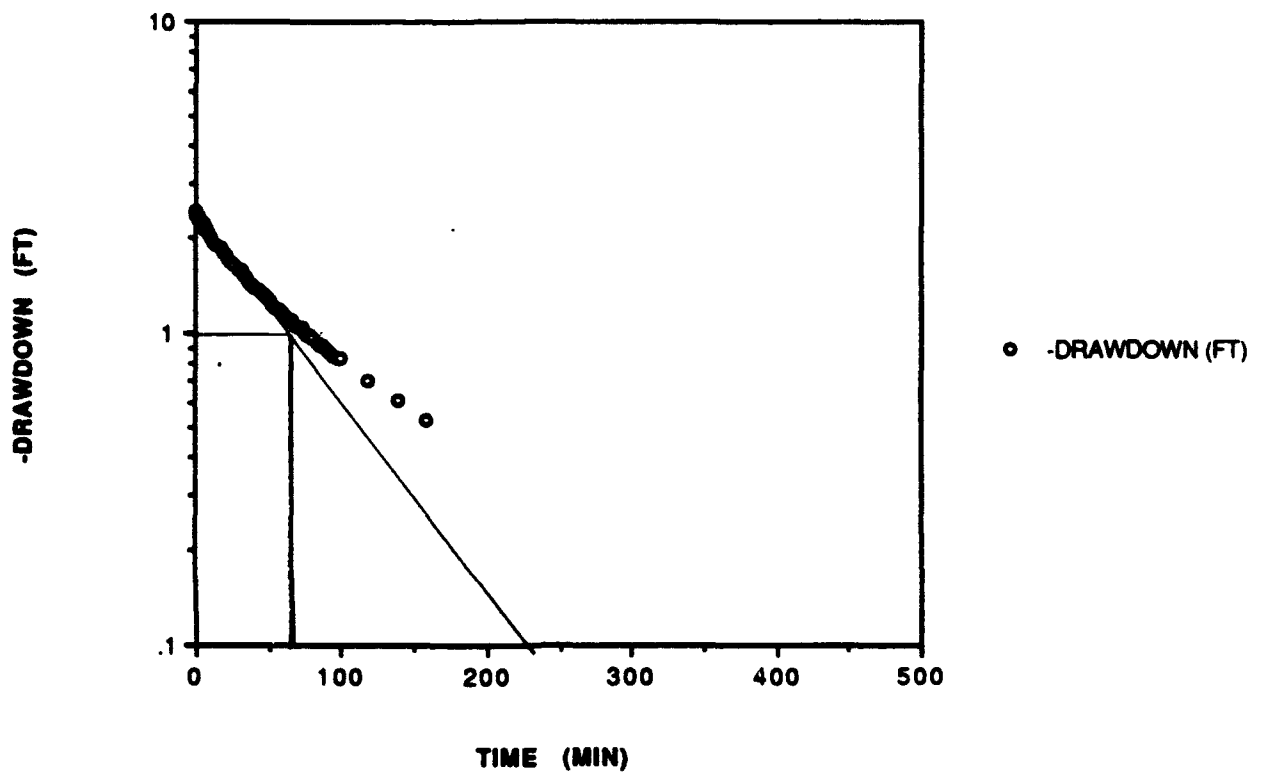
	TIME	DRAWDOWN	TIME (MIN)
57	4.2000	0.248	3.867
58	4.4000	0.252	4.067
59	4.6000	0.229	4.267
60	4.8000	0.220	4.467
61	5.0000	0.213	4.667
62	5.2000	0.210	4.867
63	5.4000	0.204	5.067
64	5.6000	0.197	5.267
65	5.8000	0.191	5.467
66	6.0000	0.188	5.667
67	6.2000	0.185	5.867
68	6.4000	0.182	6.067
69	6.6000	0.175	6.267
70	6.8000	0.172	6.467
71	7.0000	0.169	6.667
72	7.2000	0.166	6.867
73	7.4000	0.162	7.067
74	7.6000	0.162	7.267
75	7.8000	0.159	7.467
76	8.0000	0.159	7.667
77	8.2000	0.156	7.867
78	8.4000	0.156	8.067
79	8.6000	0.153	8.267
80	8.8000	0.150	8.467
81	9.0000	0.150	8.667
82	9.2000	0.146	8.867
83	9.4000	0.146	9.067
84	9.6000	0.146	9.267
85	9.8000	0.143	9.467
86	10.0000	0.143	9.667
87	12.0000	0.134	11.667
88	14.0000	0.124	13.667
89	16.0000	0.118	15.667
90	18.0000	0.108	17.667
91	20.0000	0.105	19.667
92	22.0000	0.102	21.667
93	24.0000	0.099	23.667
94	26.0000	0.096	25.667
95	28.0000	0.092	27.667
96	30.0000	0.086	29.667
97	32.0000	0.083	31.667
98	34.0000	0.083	33.667
99	36.0000	0.080	35.667
100	38.0000	0.076	37.667
101	40.0000	0.076	39.667
102	42.0000	0.076	41.667
103	44.0000	0.073	43.667
104	46.0000	0.073	45.667
105	48.0000	0.070	47.667
106	50.0000	0.070	49.667
107	52.0000	0.070	51.667
108	54.0000	0.070	53.667
109	56.0000	0.070	55.667
110	58.0000	0.067	57.667
111	60.0000	0.061	59.667
112	62.0000	0.064	61.667

	TIME	DRAWDOWN	TIME (MIN)
113	64.0000	0.064	63.667
114	66.0000	0.057	65.667
115	68.0000	0.051	67.667
116	70.0000	0.057	69.667
117	72.0000	0.051	71.667
118	74.0000	0.054	73.667
119	76.0000	0.051	75.667
120	78.0000	0.051	77.667
121	80.0000	0.051	79.667
122	82.0000	0.048	81.667
123	84.0000	0.045	83.667
124	86.0000	0.041	85.667
125	88.0000	0.041	87.667
126	90.0000	0.041	89.667
127	92.0000	0.041	91.667
128	94.0000	0.045	93.667
129	96.0000	0.041	95.667
130	98.0000	0.041	97.667
131	100.0000	0.038	99.667
132	120.0000	0.025	119.667
133	140.0000	0.025	139.667
134	160.0000	0.019	159.667
135	180.0000	0.013	179.667
136	200.0000	0.010	199.667
137	220.0000	0.010	219.667
138	240.0000	0.010	239.667

MINI-SLUG

INITIAL DRAWDOWN/BUILDUP, Y0	2.445
DRAWDOWN/BUILDUP AT TIME T, YT	1
TIME, T	70
SCREEN LENGTH, L	20
INITIAL SATURATED THICKNESS, D	350
DISTANCE FROM BOTTOM OF SCREEN TO WATER TABLE, H	20.24
WELL RADIUS (INCLUDING GRAVEL PACK), RW	0.4
CASING RADIUS, RC	0.16
GRAVEL PACK POROSITY (0 IF SIMILAR TO FORMATION), N	0.35
NEW RC BASED ON GRAVEL PACK POROSITY	0.26951809
COEFFICIENT A	3
COEFFICIENT B	0.5
LN((D-H)/RW)	6.71465585
IF LN((D-H)/RW)>6 THEN SET IT EQUAL TO 6 HERE OTHERWISE COPY IT	6
LN(RE/RW)	3.54132447
ESTIMATE OF HYDRAULIC CONDUCTIVITY, K	8.2138E-05

WELL MW4-02 SLUG IN



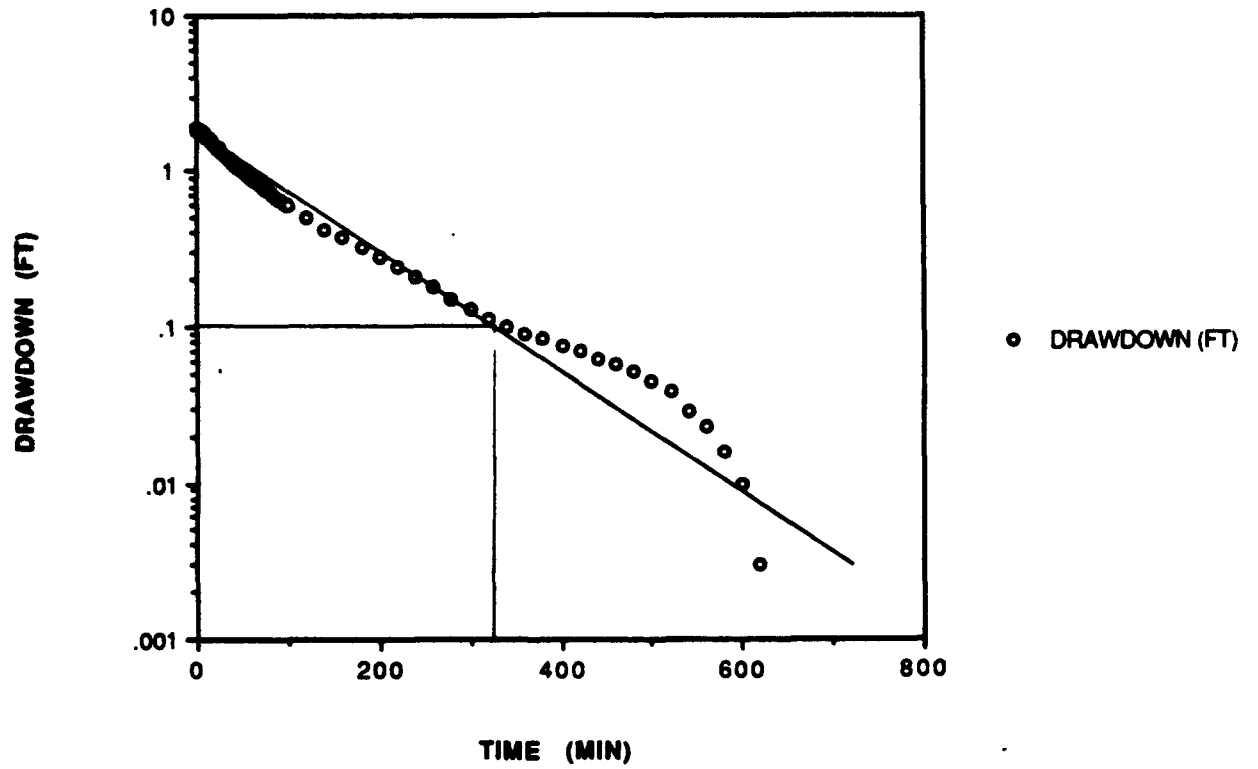
	TIME	DRAWDOWN	TIME (MIN)	-DRAWDOWN
1	1.2000	-2.445	0.000	2.445
2	1.4000	-2.432	0.200	2.432
3	1.6000	-2.416	0.400	2.416
4	1.8000	-2.404	0.600	2.404
5	2.0000	-2.391	0.800	2.391
6	2.2000	-2.381	1.000	2.381
7	2.4000	-2.372	1.200	2.372
8	2.6000	-2.359	1.400	2.359
9	2.8000	-2.353	1.600	2.353
10	3.0000	-2.343	1.800	2.343
11	3.2000	-2.327	2.000	2.327
12	3.4000	-2.314	2.200	2.314
13	3.6000	-2.308	2.400	2.308
14	3.8000	-2.305	2.600	2.305
15	4.0000	-2.295	2.800	2.295
16	4.2000	-2.289	3.000	2.289
17	4.4000	-2.279	3.200	2.279
18	4.6000	-2.273	3.400	2.273
19	4.8000	-2.279	3.600	2.279
20	5.0000	-2.270	3.800	2.270
21	5.2000	-2.260	4.000	2.260
22	5.4000	-2.251	4.200	2.251
23	5.6000	-2.238	4.400	2.238
24	5.8000	-2.228	4.600	2.228
25	6.0000	-2.222	4.800	2.222
26	6.2000	-2.216	5.000	2.216
27	6.4000	-2.209	5.200	2.209
28	6.6000	-2.203	5.400	2.203
29	6.8000	-2.193	5.600	2.193
30	7.0000	-2.184	5.800	2.184
31	7.2000	-2.174	6.000	2.174
32	7.4000	-2.165	6.200	2.165
33	7.6000	-2.155	6.400	2.155
34	7.8000	-2.149	6.600	2.149
35	8.0000	-2.142	6.800	2.142
36	8.2000	-2.139	7.000	2.139
37	8.4000	-2.136	7.200	2.136
38	8.6000	-2.127	7.400	2.127
39	8.8000	-2.120	7.600	2.120
40	9.0000	-2.111	7.800	2.111
41	9.2000	-2.104	8.000	2.104
42	9.4000	-2.098	8.200	2.098
43	9.6000	-2.091	8.400	2.091
44	9.8000	-2.085	8.600	2.085
45	10.0000	-2.082	8.800	2.082
46	12.0000	-2.015	10.800	2.015
47	14.0000	-1.958	12.800	1.958
48	16.0000	-1.913	14.800	1.913
49	18.0000	-1.859	16.800	1.859
50	20.0000	-1.818	18.800	1.818
51	22.0000	-1.760	20.800	1.760
52	24.0000	-1.719	22.800	1.719
53	26.0000	-1.678	24.800	1.678
54	28.0000	-1.633	26.800	1.633
55	30.0000	-1.598	28.800	1.598
56	32.0000	-1.572	30.800	1.572

	TIME	DRAWDOWN	TIME (MIN)	-DRAWDOWN
57	34.0000	-1.522	32.800	1.522
58	36.0000	-1.493	34.800	1.493
59	38.0000	-1.451	36.800	1.451
60	40.0000	-1.416	38.800	1.416
61	42.0000	-1.388	40.800	1.388
62	44.0000	-1.359	42.800	1.359
63	46.0000	-1.346	44.800	1.346
64	48.0000	-1.308	46.800	1.308
65	50.0000	-1.286	48.800	1.286
66	52.0000	-1.260	50.800	1.260
67	54.0000	-1.229	52.800	1.229
68	56.0000	-1.213	54.800	1.213
69	58.0000	-1.181	56.800	1.181
70	60.0000	-1.159	58.800	1.159
71	62.0000	-1.136	60.800	1.136
72	64.0000	-1.124	62.800	1.124
73	66.0000	-1.104	64.800	1.104
74	68.0000	-1.088	66.800	1.088
75	70.0000	-1.066	68.800	1.066
76	72.0000	-1.047	70.800	1.047
77	74.0000	-1.031	72.800	1.031
78	76.0000	-1.003	74.800	1.003
79	78.0000	-0.987	76.800	0.987
80	80.0000	-0.983	78.800	0.983
81	82.0000	-0.961	80.800	0.961
82	84.0000	-0.936	82.800	0.936
83	86.0000	-0.920	84.800	0.920
84	88.0000	-0.913	86.800	0.913
85	90.0000	-0.894	88.800	0.894
86	92.0000	-0.875	90.800	0.875
87	94.0000	-0.866	92.800	0.866
88	96.0000	-0.853	94.800	0.853
89	98.0000	-0.837	96.800	0.837
90	100.0000	-0.827	98.800	0.827
91	120.0000	-0.703	118.800	0.703
92	140.0000	-0.605	138.800	0.605
93	160.0000	-0.528	158.800	0.528

MMW02OUT.BUG

INITIAL DRAWDOWN/BUILDUP, Y0	1.898
DRAWDOWN/BUILDUP AT TIME T, YT	0.1
TIME, T	320
SCREEN LENGTH, L	20
INITIAL SATURATED THICKNESS, D	350
DISTANCE FROM BOTTOM OF SCREEN TO WATER TABLE, H	20.24
WELL RADIUS (INCLUDING GRAVEL PACK), RW	0.4
CASING RADIUS, RC	0.16
GRAVEL PACK POROSITY (0 IF SIMILAR TO FORMATION), N	0.35
NEW RC BASED ON GRAVEL PACK POROSITY	0.26951809
COEFFICIENT A	3
COEFFICIENT B	0.5
LN((D-H)/RW)	6.71465585
IF LN((D-H)/RW)>6 THEN SET IT EQUAL TO 6 HERE OTHERWISE COPY IT	6
LN(RE/RW)	3.54132447
ESTIMATE OF HYDRAULIC CONDUCTIVITY, K	5.9153E-05

WELL MW4-02 SLUG OUT



	TIME	DRAWDOWN	TIME (MIN)
1	0.31	1.90	0.00
2	0.32	1.90	0.00
3	0.32	1.90	0.01
4	0.32	1.90	0.01
5	0.33	1.90	0.01
6	0.33	1.90	0.02
7	0.33	1.89	0.02
8	0.35	1.89	0.04
9	0.37	1.89	0.05
10	0.38	1.89	0.07
11	0.40	1.89	0.09
12	0.42	1.89	0.10
13	0.43	1.89	0.12
14	0.45	1.89	0.14
15	0.47	1.89	0.15
16	0.48	1.89	0.17
17	0.50	1.89	0.19
18	0.52	1.89	0.20
19	0.53	1.89	0.22
20	0.55	1.88	0.24
21	0.57	1.88	0.25
22	0.58	1.88	0.27
23	0.60	1.87	0.29
24	0.62	1.87	0.30
25	0.63	1.87	0.32
26	0.65	1.87	0.34
27	0.67	1.87	0.35
28	0.68	1.87	0.37
29	0.70	1.87	0.39
30	0.72	1.87	0.40
31	0.73	1.87	0.42
32	0.75	1.87	0.44
33	0.77	1.87	0.45
34	0.78	1.87	0.47
35	0.80	1.87	0.49
36	0.82	1.87	0.50
37	0.83	1.87	0.52
38	0.85	1.87	0.54
39	0.87	1.87	0.55
40	0.88	1.87	0.57
41	0.90	1.86	0.59
42	0.92	1.86	0.60
43	0.93	1.86	0.62
44	0.95	1.86	0.64
45	0.97	1.86	0.65
46	0.98	1.86	0.67
47	1.00	1.86	0.69
48	1.20	1.85	0.89
49	1.40	1.85	1.09
50	1.60	1.85	1.29
51	1.80	1.84	1.49
52	2.00	1.84	1.69
53	2.20	1.84	1.89
54	2.40	1.84	2.09
55	2.60	1.84	2.29
56	2.80	1.84	2.49

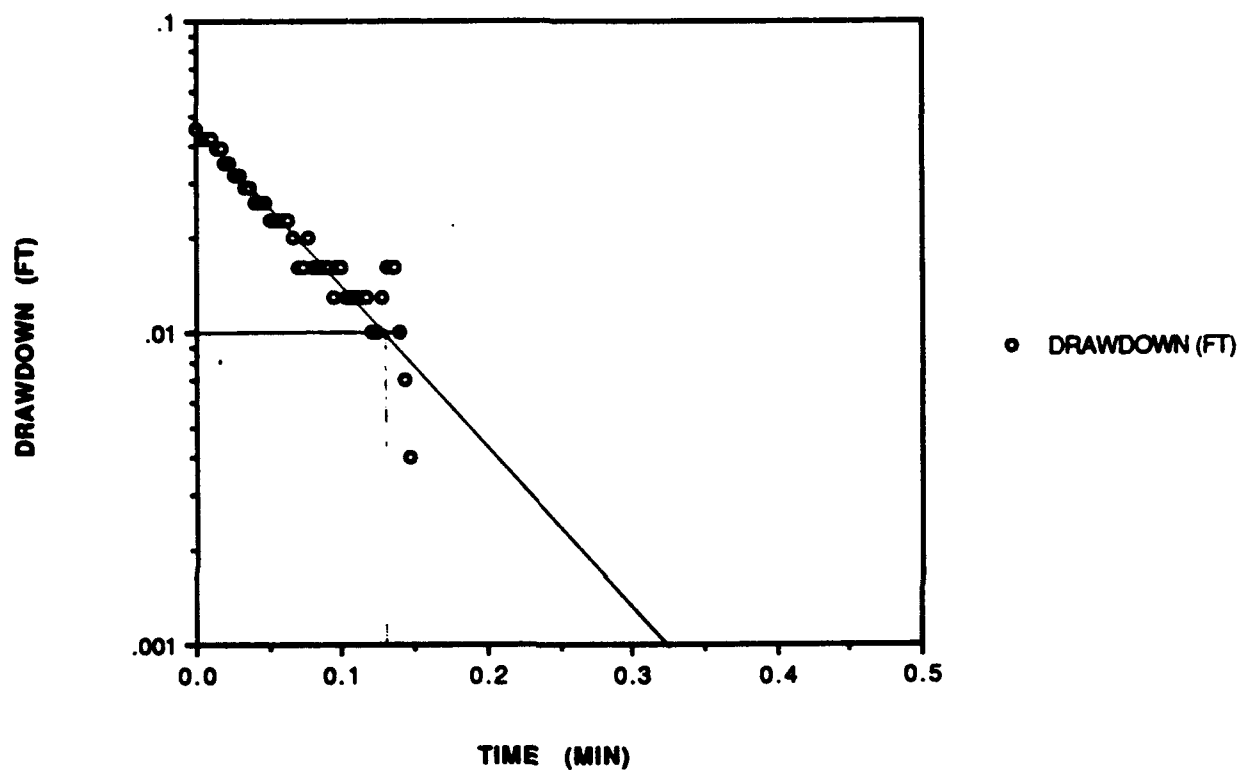
	TIME	DRAWDOWN	TIME (MIN)
57	3.00	1.84	2.69
58	3.20	1.83	2.89
59	3.40	1.83	3.09
60	3.60	1.83	3.29
61	3.80	1.83	3.49
62	4.00	1.82	3.69
63	4.20	1.82	3.89
64	4.40	1.82	4.09
65	4.60	1.82	4.29
66	4.80	1.82	4.49
67	5.00	1.81	4.69
68	5.20	1.81	4.89
69	5.40	1.81	5.09
70	5.60	1.81	5.29
71	5.80	1.81	5.49
72	6.00	1.81	5.69
73	6.20	1.80	5.89
74	6.40	1.80	6.09
75	6.60	1.80	6.29
76	6.80	1.80	6.49
77	7.00	1.80	6.69
78	7.20	1.79	6.89
79	7.40	1.79	7.09
80	7.60	1.78	7.29
81	7.80	1.77	7.49
82	8.00	1.77	7.69
83	8.20	1.77	7.89
84	8.40	1.77	8.09
85	8.60	1.76	8.29
86	8.80	1.76	8.49
87	9.00	1.75	8.69
88	9.20	1.75	8.89
89	9.40	1.74	9.09
90	9.60	1.73	9.29
91	9.80	1.73	9.49
92	10.00	1.72	9.69
93	12.00	1.67	11.70
94	14.00	1.62	13.70
95	16.00	1.57	15.70
96	18.00	1.52	17.70
97	20.00	1.49	19.70
98	22.00	1.44	21.70
99	24.00	1.40	23.70
100	26.00	1.38	25.70
101	28.00	1.32	27.70
102	30.00	1.29	29.70
103	32.00	1.26	31.70
104	34.00	1.24	33.70
105	36.00	1.20	35.70
106	38.00	1.18	37.70
107	40.00	1.15	39.70
108	42.00	1.11	41.70
109	44.00	1.10	43.70
110	46.00	1.07	45.70
111	48.00	1.04	47.70
112	50.00	1.02	49.70

	TIME	DRAWDOWN	TIME (MIN)
113	52.00	1.00	51.70
114	54.00	0.97	53.70
115	56.00	0.95	55.70
116	58.00	0.93	57.70
117	60.00	0.91	59.70
118	62.00	0.89	61.70
119	64.00	0.88	63.70
120	66.00	0.85	65.70
121	68.00	0.84	67.70
122	70.00	0.82	69.70
123	72.00	0.81	71.70
124	74.00	0.78	73.70
125	76.00	0.77	75.70
126	78.00	0.75	77.70
127	80.00	0.74	79.70
128	82.00	0.72	81.70
129	84.00	0.69	83.70
130	86.00	0.69	85.70
131	88.00	0.68	87.70
132	90.00	0.66	89.70
133	92.00	0.65	91.70
134	94.00	0.64	93.70
135	96.00	0.62	95.70
136	98.00	0.61	97.70
137	100.00	0.60	99.70
138	120.00	0.50	120.00
139	140.00	0.41	140.00
140	160.00	0.37	160.00
141	180.00	0.32	180.00
142	200.00	0.28	200.00
143	220.00	0.24	220.00
144	240.00	0.21	240.00
145	260.00	0.18	260.00
146	280.00	0.15	280.00
147	300.00	0.13	300.00
148	320.00	0.11	320.00
149	340.00	0.10	340.00
150	360.00	0.09	360.00
151	380.00	0.08	380.00
152	400.00	0.07	400.00
153	420.00	0.07	420.00
154	440.00	0.06	440.00
155	460.00	0.06	460.00
156	480.00	0.05	480.00
157	500.00	0.04	500.00
158	520.00	0.04	520.00
159	540.00	0.03	540.00
160	560.00	0.02	560.00
161	580.00	0.02	580.00
162	600.00	0.01	600.00
163	620.00	0.00	620.00

MW501OUT.SLUG

INITIAL DRAWDOWN/BUILDUP, Y0	0.045
DRAWDOWN/BUILDUP AT TIME T, YT	0.01
TIME, T	0.135
SCREEN LENGTH, L	50
INITIAL SATURATED THICKNESS, D	350
DISTANCE FROM BOTTOM OF SCREEN TO WATER TABLE, H	49.99
WELL RADIUS (INCLUDING GRAVEL PACK), RW	0.4
CASING RADIUS, RC	0.16
GRAVEL PACK POROSITY (0 IF SIMILAR TO FORMATION), N	0.35
NEW RC BASED ON GRAVEL PACK POROSITY	0.26951809
COEFFICIENT A	5
COEFFICIENT B	0.85
LN((D-H)/RW)	6.62010654
IF LN((D-H)/RW)>6 THEN SET IT EQUAL TO 6 HERE OTHERWISE COPY IT	6
LN(RE/RW)	4.11217647
ESTIMATE OF HYDRAULIC CONDUCTIVITY, K	0.03328005

WELL MW5-01 SLUG OUT

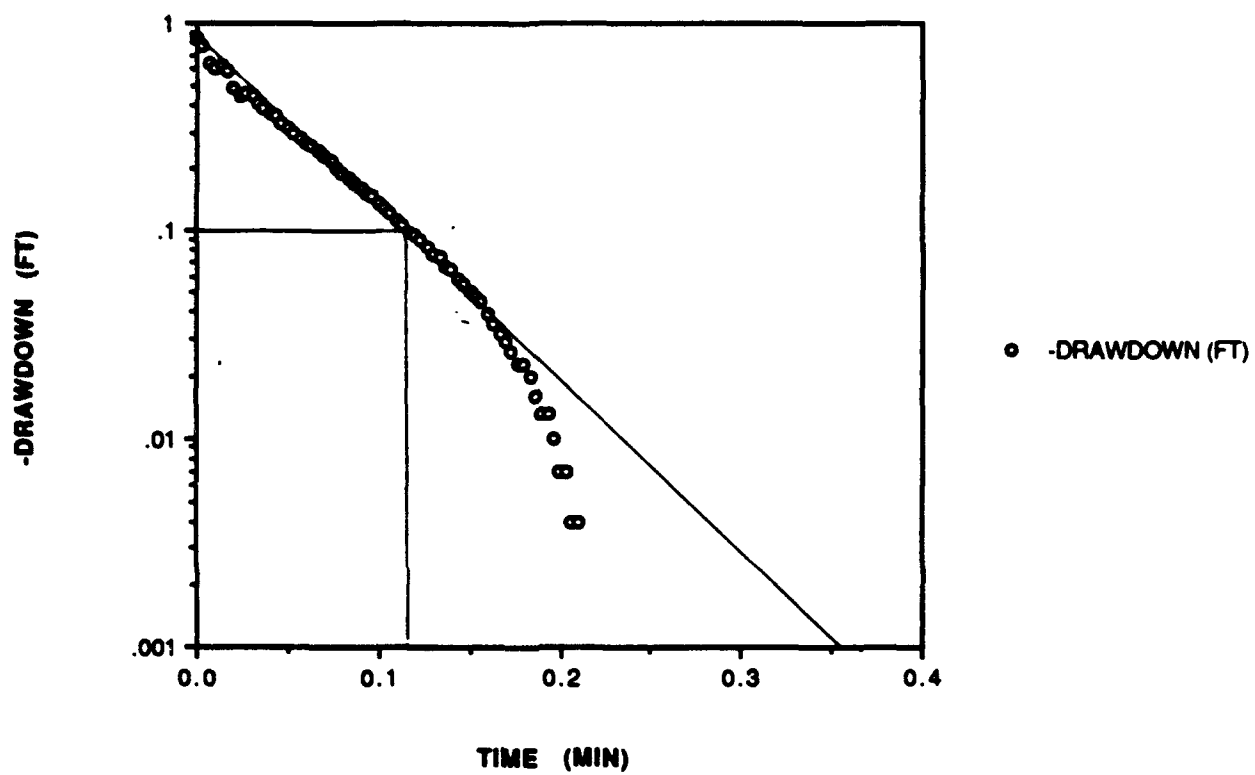


	TIME	DRAWDOWN	TIME (MIN)
1	0.1400	0.045	0.000
2	0.1433	0.042	0.003
3	0.1466	0.042	0.007
4	0.1500	0.042	0.010
5	0.1533	0.039	0.013
6	0.1566	0.039	0.017
7	0.1600	0.035	0.020
8	0.1633	0.035	0.023
9	0.1666	0.032	0.027
10	0.1700	0.032	0.030
11	0.1733	0.029	0.033
12	0.1766	0.029	0.037
13	0.1800	0.026	0.040
14	0.1833	0.026	0.043
15	0.1866	0.026	0.047
16	0.1900	0.023	0.050
17	0.1933	0.023	0.053
18	0.1966	0.023	0.057
19	0.2000	0.023	0.060
20	0.2033	0.023	0.063
21	0.2066	0.020	0.067
22	0.2100	0.016	0.070
23	0.2133	0.016	0.073
24	0.2166	0.020	0.077
25	0.2200	0.016	0.080
26	0.2233	0.016	0.083
27	0.2266	0.016	0.087
28	0.2300	0.016	0.090
29	0.2333	0.013	0.093
30	0.2366	0.016	0.097
31	0.2400	0.016	0.100
32	0.2433	0.013	0.103
33	0.2466	0.013	0.107
34	0.2500	0.013	0.110
35	0.2533	0.013	0.113
36	0.2566	0.013	0.117
37	0.2600	0.010	0.120
38	0.2633	0.010	0.123
39	0.2666	0.013	0.127
40	0.2700	0.016	0.130
41	0.2733	0.016	0.133
42	0.2766	0.016	0.137
43	0.2800	0.010	0.140
44	0.2833	0.007	0.143
45	0.2866	0.004	0.147
46	0.2400	0.016	0.100
47	0.2433	0.013	0.103
48	0.2466	0.013	0.107
49	0.2500	0.013	0.110
50	0.2533	0.013	0.113
51	0.2566	0.013	0.117
52	0.2600	0.010	0.120
53	0.2633	0.010	0.123
54	0.2666	0.013	0.127
55	0.2700	0.016	0.130
56	0.2733	0.016	0.133

	TIME	DRAWDOWN	TIME (MIN)
57	0.2766	0.016	0.137
58	0.2800	0.010	0.140
59	0.2833	0.007	0.143
60	0.2866	0.004	0.147

INITIAL DRAWDOWN/BUILDUP, Y0	0.851
DRAWDOWN/BUILDUP AT TIME T, YT	0.1
TIME, T	0.115
SCREEN LENGTH, L	50
INITIAL SATURATED THICKNESS, D	350
DISTANCE FROM BOTTOM OF SCREEN TO WATER TABLE, H	51.98
WELL RADIUS (INCLUDING GRAVEL PACK), RW	0.4
CASING RADIUS, RC	0.16
GRAVEL PACK POROSITY (0 IF SIMILAR TO FORMATION), N	0.35
NEW RC BASED ON GRAVEL PACK POROSITY	0.26951809
COEFFICIENT A	5
COEFFICIENT B	0.85
LN((D-H)/RW)	6.61345133
IF LN((D-H)/RW)>6 THEN SET IT EQUAL TO 6 HERE OTHERWISE COPY IT	6
LN(RE/RW)	4.11217647
ESTIMATE OF HYDRAULIC CONDUCTIVITY, K	0.05561801

WELL MWS-02 SLUG IN



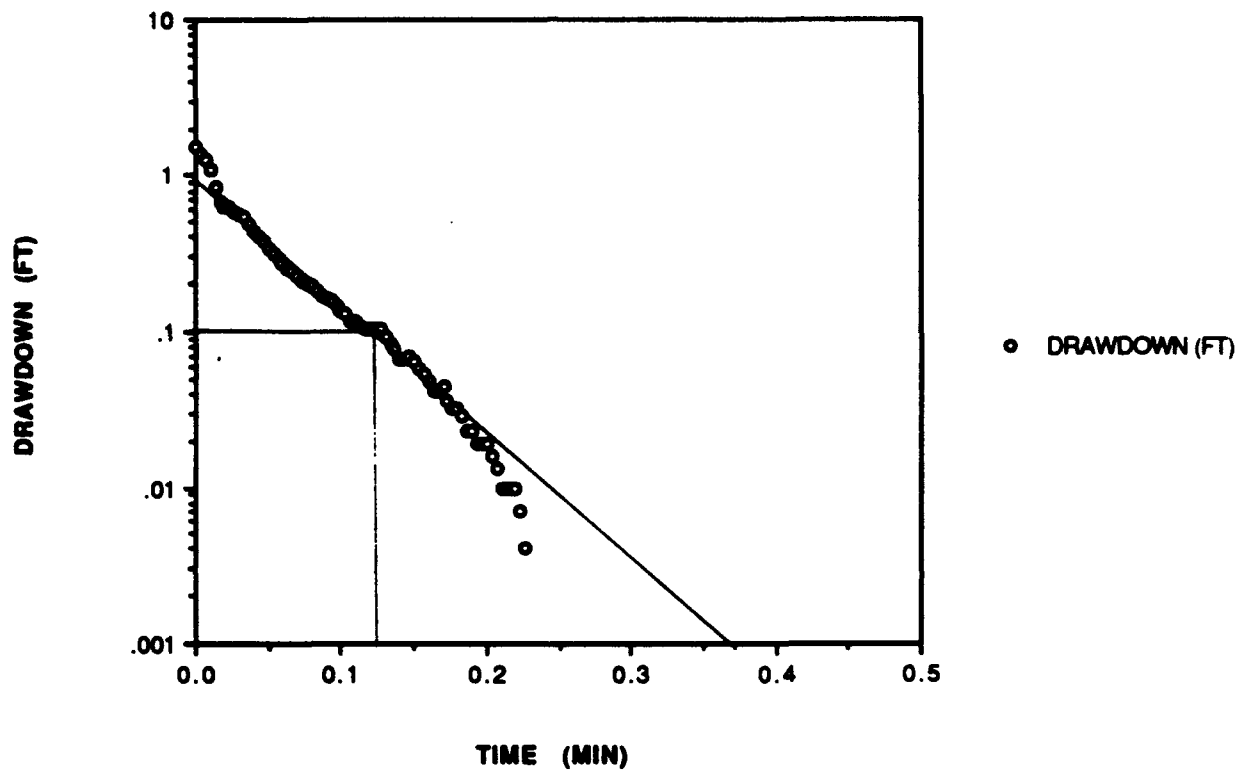
	TIME	DRAWDOWN	TIME (MIN)	-DRAWDOWN
1	0.1000	-0.851	0.000	0.851
2	0.1033	-0.787	0.003	0.787
3	0.1066	-0.640	0.007	0.640
4	0.1100	-0.612	0.010	0.612
5	0.1133	-0.631	0.013	0.631
6	0.1166	-0.589	0.017	0.589
7	0.1200	-0.494	0.020	0.494
8	0.1233	-0.449	0.023	0.449
9	0.1266	-0.459	0.027	0.459
10	0.1300	-0.449	0.030	0.449
11	0.1333	-0.414	0.033	0.414
12	0.1366	-0.386	0.037	0.386
13	0.1400	-0.373	0.040	0.373
14	0.1433	-0.357	0.043	0.357
15	0.1466	-0.335	0.047	0.335
16	0.1500	-0.316	0.050	0.316
17	0.1533	-0.300	0.053	0.300
18	0.1566	-0.284	0.057	0.284
19	0.1600	-0.268	0.060	0.268
20	0.1633	-0.255	0.063	0.255
21	0.1666	-0.242	0.067	0.242
22	0.1700	-0.230	0.070	0.230
23	0.1733	-0.217	0.073	0.217
24	0.1766	-0.204	0.077	0.204
25	0.1800	-0.191	0.080	0.191
26	0.1833	-0.179	0.083	0.179
27	0.1866	-0.169	0.087	0.169
28	0.1900	-0.160	0.090	0.160
29	0.1933	-0.153	0.093	0.153
30	0.1966	-0.147	0.097	0.147
31	0.2000	-0.137	0.100	0.137
32	0.2033	-0.128	0.103	0.128
33	0.2066	-0.121	0.107	0.121
34	0.2100	-0.112	0.110	0.112
35	0.2133	-0.106	0.113	0.106
36	0.2166	-0.099	0.117	0.099
37	0.2200	-0.096	0.120	0.096
38	0.2233	-0.090	0.123	0.090
39	0.2266	-0.083	0.127	0.083
40	0.2300	-0.077	0.130	0.077
41	0.2333	-0.074	0.133	0.074
42	0.2366	-0.067	0.137	0.067
43	0.2400	-0.064	0.140	0.064
44	0.2433	-0.058	0.143	0.058
45	0.2466	-0.055	0.147	0.055
46	0.2500	-0.051	0.150	0.051
47	0.2533	-0.048	0.153	0.048
48	0.2566	-0.045	0.157	0.045
49	0.2600	-0.039	0.160	0.039
50	0.2633	-0.035	0.163	0.035
51	0.2666	-0.032	0.167	0.032
52	0.2700	-0.029	0.170	0.029
53	0.2733	-0.026	0.173	0.026
54	0.2766	-0.023	0.177	0.023
55	0.2800	-0.023	0.180	0.023
56	0.2833	-0.020	0.183	0.020

	TIME	DRAWDOWN	TIME (MIN)	-DRAWDOWN
57	0.2888	-0.016	0.187	0.016
58	0.2900	-0.013	0.190	0.013
59	0.2933	-0.013	0.193	0.013
60	0.2988	-0.010	0.197	0.010
61	0.3000	-0.007	0.200	0.007
62	0.3033	-0.007	0.203	0.007
63	0.3068	-0.004	0.207	0.004
64	0.3100	-0.004	0.210	0.004

MWS04OUT.SLUG

INITIAL DRAWDOWN/BUILDUP, Y0	1
DRAWDOWN/BUILDUP AT TIME T, YT	0.1
TIME, T	0.125
SCREEN LENGTH, L	50
INITIAL SATURATED THICKNESS, D	350
DISTANCE FROM BOTTOM OF SCREEN TO WATER TABLE, H	49.1
WELL RADIUS (INCLUDING GRAVEL PACK), RW	0.4
CASING RADIUS, RC	0.16
GRAVEL PACK POROSITY (0 IF SIMILAR TO FORMATION), N	0.35
NEW RC BASED ON GRAVEL PACK POROSITY	0.26951809
COEFFICIENT A	5
COEFFICIENT B	0.85
LN((D-H)/RW)	6.62306872
IF LN((D-H)/RW)>6 THEN SET IT EQUAL TO 6 HERE OTHERWISE COPY IT	6
LN(RE/RW)	4.11217647
ESTIMATE OF HYDRAULIC CONDUCTIVITY, K	0.05502414

WELL MWS-04 SLUG OUT



	TIME	DRAWDOWN	TIME (MIN)
1	0.0733	1.513	0.000
2	0.0766	1.347	0.003
3	0.0800	1.252	0.007
4	0.0833	1.086	0.010
5	0.0866	0.847	0.013
6	0.0900	0.688	0.017
7	0.0933	0.640	0.020
8	0.0966	0.624	0.023
9	0.1000	0.596	0.027
10	0.1033	0.574	0.030
11	0.1066	0.535	0.033
12	0.1100	0.488	0.037
13	0.1133	0.437	0.040
14	0.1166	0.405	0.043
15	0.1200	0.370	0.047
16	0.1233	0.341	0.050
17	0.1266	0.312	0.053
18	0.1300	0.296	0.057
19	0.1333	0.274	0.060
20	0.1366	0.252	0.063
21	0.1400	0.239	0.067
22	0.1433	0.223	0.070
23	0.1466	0.211	0.073
24	0.1500	0.201	0.077
25	0.1533	0.195	0.080
26	0.1566	0.182	0.083
27	0.1600	0.169	0.087
28	0.1633	0.160	0.090
29	0.1666	0.153	0.093
30	0.1700	0.144	0.097
31	0.1733	0.134	0.100
32	0.1766	0.128	0.103
33	0.1800	0.118	0.107
34	0.1833	0.115	0.110
35	0.1866	0.109	0.113
36	0.1900	0.105	0.117
37	0.1933	0.105	0.120
38	0.1966	0.102	0.123
39	0.2000	0.102	0.127
40	0.2033	0.093	0.130
41	0.2066	0.083	0.133
42	0.2100	0.077	0.137
43	0.2133	0.067	0.140
44	0.2166	0.067	0.143
45	0.2200	0.070	0.147
46	0.2233	0.064	0.150
47	0.2266	0.058	0.153
48	0.2300	0.054	0.157
49	0.2333	0.048	0.160
50	0.2366	0.042	0.163
51	0.2400	0.042	0.167
52	0.2433	0.045	0.170
53	0.2466	0.035	0.173
54	0.2500	0.032	0.177
55	0.2533	0.032	0.180
56	0.2566	0.029	0.183

	TIME	DRAWDOWN	TIME (MIN)
57	0.2600	0.023	0.187
58	0.2633	0.023	0.190
59	0.2666	0.019	0.193
60	0.2700	0.019	0.197
61	0.2733	0.019	0.200
62	0.2766	0.016	0.203
63	0.2800	0.013	0.207
64	0.2833	0.010	0.210
65	0.2866	0.010	0.213
66	0.2900	0.010	0.217
67	0.2933	0.010	0.220
68	0.2966	0.007	0.223
69	0.3000	0.004	0.227

APPENDIX J

POTENTIOMETRIC MEASUREMENTS

APPENDIX J

POTENTIOMETRIC MEASUREMENTS DEPTH TO WATER 161 ST AREFG, PHOENIX, ARIZONA

LOCATION:	PS-01	PS-02	PS-03	PP-01	PP-02	PP-03	MWS-01	MWS-02	MWS-03
NORTHING:	9822.40	8992.99	9916.67	13666.88	13022.75	13675.97	9484.29	8941.36	8620.48
EASTING:	12315.52	10050.94	10066.64	6114.69	5919.85	5744.84	11768.37	10847.55	10430.88
TOC ELEVATION:	1119.78	1113.86	1113.83	1245.22	1251.07	1239.42	1118.40	1115.61	1115.84
MEASUREMENT DATE	DEPTH TO WATER								
DAY									
19-JAN-91	76.12	81.82	83.48						
20-JAN-91	74.95	80.58	80.45						
21-JAN-91	76.21	83.72	75.54						
22-JAN-91	76.18	76.25	75.51						
23-JAN-91	76.20	75.25	75.58	30.74	36.63	61.77			
28-JAN-91	77.41	76.20	76.54						
29-JAN-91				30.84	37.45	32.30			
31-JAN-91				31.44	37.22	42.09			
01-FEB-91	76.51	75.20	75.78	31.26	37.14	37.16			
04-FEB-91		75.25	75.83	31.18	37.27	30.36			
05-FEB-91				31.16	37.20	29.66			
06-FEB-91	76.68	75.37	75.76	30.97	37.14	29.07			
07-FEB-91				30.92	37.93	28.69			
08-FEB-91	75.75	75.46	75.92	30.88	37.19	28.62	77.27	75.22	76.50
12-FEB-91	76.88	75.51	76.02	30.76	37.15	28.36	77.40	75.41	76.85
20-FEB-91	77.12	75.68	76.19	31.22	37.37	28.01	77.62	75.57	76.80
25-FEB-91									
20-MAR-91	74.46	74.12	75.04				75.59	73.74	75.04
21-MAR-91				31.09	37.28	28.02			
01-APR-91	72.98	72.74	73.75				74.15	72.29	73.50
02-APR-91				30.84	37.14	27.90			
18-APR-91	66.90	67.99	69.94				68.28	66.76	67.83
19-APR-91				30.07	37.54	27.80			
27-JUN-91				30.47	36.78	27.88			
30-JUN-91	72.26	71.40	73.06				72.88	70.99	72.30
26-MAR-92	53.90	50.46	57.67	29.20	34.92	26.59	53.32	51.99	47.05

APP-JALOUTB

APPENDIX J

POTENTIOMETRIC MEASUREMENTS DEPTH TO WATER (CONTINUED) 161 ST AREFG, PHOENIX, ARIZONA

LOCATION:	MWS-04	MW1-02	MW2-02	MW3-01	MW3-02	MW4-01	MW4-02	MW5-01
NORTHING:	9224.57	9992.28	9801.70	9611.01	9774.44	13733.29	13732.21	9345.98
EASTING:	10052.99	10606.30	10386.43	10082.74	9815.91	5749.44	5959.36	11050.01
TOC ELEVATION:	1114.67	1116.04	1114.20	1114.77	1112.14	1237.87	1241.69	1116.80

DEPTH TO WATER

MEASUREMENT

DATE DAY

19-JAN-91	19
20-JAN-91	20
21-JAN-91	21
22-JAN-91	22
23-JAN-91	23
28-JAN-91	28
29-JAN-91	29
31-JAN-91	31
01-FEB-91	32
04-FEB-91	35
05-FEB-91	36
06-FEB-91	37
07-FEB-91	38
08-FEB-91	39
12-FEB-91	43
20-FEB-91	51
25-FEB-91	55
20-MAR-91	78
21-MAR-91	79
01-APR-91	91
02-APR-91	92
18-APR-91	108
19-APR-91	109
27-JUN-91	178
30-JUN-91	181
26-MAR-92	451

77.34	75.53							77.86
77.49	75.80						29.55	76.65
77.64	75.97					42.43	27.83	76.84
						40.02	27.93	
76.40	74.66							75.09
						28.92	27.79	
75.34	73.62				72.25			73.80
				74.48				
71.10				70.06			27.61	
	69.24				68.03			68.52
							26.98	
							27.14	
73.34	71.64			72.64	70.31			72.27
58.62	56.44			55.91	55.12		25.68	54.15
55.10						22.93		

APPALCOUTS

APPENDIX J

POTENTIOMETRIC MEASUREMENTS WATER ELEVATION 161 ST AREFG, PHOENIX, ARIZONA

LOCATION:		PS-01	PS-02	PS-03	PP-01	PP-02	PP-03	MWS-01	MWS-02	MWS-03
NORTHING:		9822.4	8992.99	9916.67	13666.88	13022.75	13675.97	9484.29	8941.36	8620.48
EASTING:		12315.52	10050.94	10066.64	6114.69	5919.85	5744.84	11768.37	10847.55	10430.88
TOC ELEVATION:		1119.78	1113.86	1113.83	1245.22	1251.07	1239.42	1118.40	1115.61	1115.84
MEASUREMENT DATE		WATER ELEVATION								
DATE	DAY									
19-JAN-91	19	1043.66	1032.04	1030.35						
20-JAN-91	20	1044.83	1033.28	1033.38						
21-JAN-91	21	1043.57	1030.14	1038.29						
22-JAN-91	22	1043.6	1037.61	1038.32						
23-JAN-91	23	1043.58	1038.61	1038.25	1214.48	1214.44	1177.65			
28-JAN-91	28	1042.37	1037.66	1037.29						
29-JAN-91	29				1214.38	1213.62	1207.12			
31-JAN-91	31				1213.78	1213.85	1197.33			
01-FEB-91	32	1043.27	1038.66	1038.05	1213.96	1213.93	1202.26			
04-FEB-91	35		1038.61	1038.00	1214.04	1213.80	1209.06			
05-FEB-91	36				1214.06	1213.87	1209.76			
06-FEB-91	37	1043.1	1038.49	1038.07	1214.25	1213.93	1210.35			
07-FEB-91	38				1214.30	1213.14	1210.73			
08-FEB-91	39	1044.03	1038.40	1037.91	1214.34	1213.88	1210.80	1041.13	1040.39	1039.34
12-FEB-91	43	1042.9	1038.35	1037.81	1214.46	1213.92	1211.06	1041.00	1040.20	1038.99
20-FEB-91	51	1042.66	1038.18	1037.64	1214.00	1213.70	1211.41	1040.78	1040.04	1039.04
25-FEB-91	55									
20-MAR-91	78	1045.32	1039.74	1038.79				1042.81	1041.87	1040.80
21-MAR-91	79					1213.79	1211.40			
01-APR-91	91	1046.8	1041.12	1040.08	1245.22			1044.25	1043.32	1042.34
02-APR-91	92					1213.93	1211.52			
18-APR-91	108	1052.88	1045.87	1043.89				1050.12	1048.85	1048.01
19-APR-91	109				1215.15	1213.53	1211.62			
27-JUN-91	178				1214.75	1214.29	1211.54			
30-JUN-91	181	1047.52	1042.46	1040.77				1045.52	1044.62	1043.54
26-MAR-92	451	1065.88	1063.40	1056.16	1216.02	1216.15	1212.83	1065.08	1063.62	1068.79

POTENTIOMETRIC MEASUREMENTS
WATER ELEVATION (CONTINUED)
161 ST AREFG, PHOENIX, ARIZONA

LOCATION:		MWS-04	MW1-02	MW2-02	MW3-01	MW3-02	MW4-01	MW4-02	MW5-01
NORTHING:		9224.57	9992.28	9801.70	9611.01	9774.44	13733.29	5749.44	9345.98
EASTING:		10052.99	10606.30	10386.43	10082.74	9815.91	5749.44	5959.36	11050.01
TOC ELEVATION:		1114.67	1116.04	1114.20	1114.77	1112.14	1237.87	1241.69	1116.80

MEASUREMENT		WATER ELEVATION									
DATE	DAY										
19-JAN-91	19										
20-JAN-91	20										
21-JAN-91	21										
22-JAN-91	22										
23-JAN-91	23										
28-JAN-91	28										
29-JAN-91	29										
31-JAN-91	31										
01-FEB-91	32										
04-FEB-91	35										
05-FEB-91	36										
06-FEB-91	37										
07-FEB-91	38										
08-FEB-91	39		1038.70	1038.67						1038.94	
12-FEB-91	43		1038.55	1038.40						1040.15	
20-FEB-91	51		1038.40	1038.23			1195.44	1213.86		1039.96	
25-FEB-91	55						1197.85	1213.76			
20-MAR-91	78		1039.64	1039.54						1041.71	
21-MAR-91	79						1208.95	1213.90			
01-APR-91	91		1040.70	1040.58		1039.89				1043.00	
02-APR-91	92	1040.73			1040.29		1202.53	1214.08			
18-APR-91	108	1045.25			1044.71						
19-APR-91	109										
27-JUN-91	178						1202.87	1214.71			
30-JUN-91	181	1042.22	1042.70	1042.56	1042.13	1044.11	1214.44	1214.55			
26-MAR-92	451	1059.57	1057.42	1057.76	1058.86	1057.02	1214.94	1216.01			

APPENDIX B

APPENDIX K

RESULTS OF SCREENING ANALYSES

APPENDIX K
RESULTS OF SCREENING ANALYSES
BACKGROUND SOIL SAMPLES
16th AFB, PHOENIX, ARIZONA

FIELD SAMPLE NUMBER:	MRS-01-0-2-04	MRS-01-5-7-04	MRS-02-0-2-03	MRS-02-5-7-03	MRS-02-10-12-03	MRS-02-15-17-01
LAB SAMPLE NUMBER:	G 2044	G 2045	G 2052	G 2053	G 2054	G 2055
LOCATION:	MWS-01	MWS-01	MWS-02	MWS-02	MWS-02	MWS-02
DEPTH (FT):	00-02	05-07	00-02	05-07	10-12	15-17
MATRIX:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
DCE (PPB):	572 U	572 U	572 U	572 U	572 U	572 U
TCA (PPB):	1000 UA	1000 UA	1000 UA	1000 UA	1000 UA	1000 UA
BENZENE (PPB):	40 US	40 US	40 US	40 U	40 U	40 U
TCE (PPB):	572 U	572 U	572 U	572 U	572 U	572 U
TOLUENE (PPB):	40 US	40 US	40 US	40 US	40 US	40 US
PCE (PPB):	52.4 U	52.4 U	52.4 U	52.4 U	52.4 U	52.4 U
ETHYL BENZENE (PPB):	40 U	40 U	40 U	40 U	40 U	40 U
TOTAL XYLENES (PPB):	40 US	40 US	40 US	40 U	40 U	40 U
HEAVY HYDROCARBON:	NO	NO	NO	NO	NO	NO
LIGHT HYDROCARBON:	NO	NO	NO	NO	NO	NO

NOTES

U = NOT DETECTED AT CONCENTRATION GIVEN
S = RESIDUAL SYSTEM (BLANK) CONTAMINATION
E = ESTIMATED VALUE OUTSIDE OF CALIBRATION LINEAR RANGE
A = ESTIMATED VALUE DUE TO CALIBRATION PROBLEM

APPENDIX K
RESULTS OF SCREENING ANALYSES
BACKGROUND SOIL SAMPLES (cont.)
161st AFB, PHOENIX, ARIZONA

FIELD SAMPLE NUMBER:	MBS-02-25-27-01	MBS-02-40-02-01	MBS-02-45-47-01	MBS-02-50-52-01	MBS-02-0-2-03	MBS-02-5-7-02
LAB SAMPLE NUMBER:	G 2056	G 2057	G 2074	G 2075	G 2047	G 2048
LOCATION:	MWS-02	MWS-02	MWS-02	MWS-02	MWS-03	MWS-03
DEPTH (FT):	25-27	40-02	45-47	50-52	00-02	05-07
MATRIX:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
DCE (PPB):	572 U	572 U	572 U	572 U	572 U	572 U
TCA (PPB):	1000 UA	1000 UA	1000 UA	1000 UA	1000 UA	1000 UA
BENZENE (PPB):	40 U	40 U	40 U	40 U	40 U	40 U
TCE (PPB):	572 U	572 U	572 U	572 U	572 U	572 U
TOLUENE (PPB):	40 US	40 US	40 US	40 US	40 US	40 US
PCE (PPB):	52.4 U	52.4 U	52.4 U	52.4 U	52.4 U	52.4 U
ETHYLBENZENE (PPB):	40 U	40 U	40 U	40 U	40 U	40 U
TOTAL XYLENES (PPB):	40 U	40 U	40 US	40 U	40 U	40 U
HEAVY HYDROCARBON:	NO	NO	NO	NO	NO	YES
LIGHT HYDROCARBON:	NO	NO	NO	NO	NO	NO

NOTES

- U = NOT DETECTED AT CONCENTRATION GIVEN
- S = RESIDUAL SYSTEM (BLANK) CONTAMINATION
- E = ESTIMATED VALUE OUTSIDE OF CALIBRATION LINEAR RANGE
- A = ESTIMATED VALUE DUE TO CALIBRATION PROBLEM

APPENDIX K
RESULTS OF SCREENING ANALYSES
BACKGROUND SOIL SAMPLES (cont.)
161st AFBFG, PHOENIX, ARIZONA

	MBS-03-50-52-01	MBS-03-75-77-01	MBS-04-0-2-02	MBS-04-15-16.5-03	MBS-04-20-21.5-01	MBS-04-25-26.5-01
LAB SAMPLE NUMBER:	G 2049	G 2050	G 2059	G 2100	G 2101	G 2102
LOCATION:	MWS-03	MWS-03	MWS-04	MWS-04	MWS-04	MWS-04
DEPTH (FT):	50-52	75-77	00-02	15-16.5	20-21.5	25-26.5
MATRIX:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
DCE (PPB):	572 U	572 U	6.6 U	5.7 U	16 U	4.4 U
TCA (PPB):	1080 UA	1080 UA	680 U	590 U	1700 U	460 U
BENZENE (PPB):	40 U	40 US	5.6 U	4.8 U	14 U	3.8 U
TCE (PPB):	572 U	572 U	53 U	23 U	65 U	18 U
TOLUENE (PPB):	40 US	40 US	5.1 U	4.4 U	13 U	3.4 U
PCE (PPB):	52.4 U	52.4 U	42 U	36 U	100 U	28 U
ETHYLBENZENE (PPB):	40 U	40 U	4.1 U	3.6 U	10 U	2.8 U
TOTAL XYLENES (PPB):	40 U	40 US	9.6 U	8.7 U	24 U	6.5 U
HEAVY HYDROCARBON:	NO	NO	NO	NO	NO	NO
LIGHT HYDROCARBON:	NO	NO	NO	NO	NO	NO

APPENDIX K
RESULTS OF SCREENING ANALYSES
BACKGROUND SOIL SAMPLES (cont.)
16th AFB, PHOENIX, ARIZONA

FIELD SAMPLE NUMBER:	MBS-04-40-41.5-01	MBS-04-45-46.5-1	MBS-04-50-51.5-1	MBS-04-65-66.5-1	MBS-04-70-71.5-1
LAB SAMPLE NUMBER:	G 2103	G 2104	G 2105	G 2106	G 2107
LOCATION:	MWS-04	MWS-04	MWS-04	MWS-04	MWS-04
DEPTH (FT):	40-41.5	45-46.5	50-51.5	65-66.5	70-71.5
MATRIX:	SOIL	SOIL	SOIL	SOIL	SOIL
DCE (PPB):	18 U	35 U	120 U	35 U	22 U
TCA (PPB):	1800 U	3700 U	12000 U	3700 U	2300 U
BENZENE (PPB):	220	530	190	82	64
TCE (PPB):	72	140 E	84	140 U	36 E
TOLUENE (PPB):	14	1200	65 E	82 E	4.4 E
PCE (PPB):	11 U	230 U	750 U	230 U	140 U
ETHYL BENZENE (PPB):	1700 E	3700 E	1600 E	190	380
TOTAL XYLENES (PPB):	110	420	2500 E	260	360
HEAVY HYDROCARBON:	YES	YES	YES	YES	YES
LIGHT HYDROCARBON:	YES	YES	YES	NO	NO

NOTES

- U = NOT DETECTED AT CONCENTRATION GIVEN
- S = RESIDUAL SYSTEM (BLANK) CONTAMINATION
- E = ESTIMATED VALUE OUTSIDE OF CALIBRATION LINEAR RANGE
- A = ESTIMATED VALUE DUE TO CALIBRATION PROBLEM

APPENDIX K

RESULTS OF SCREENING ANALYSES SITE 1 SOIL SAMPLES 161st AREFG, PHOENIX, ARIZONA

FIELD SAMPLE NUMBER:	SB1-02-0-2-04	SB1-02-15-17-01	SB1-02-25-27-02	SB1-02-50-52-01	SB1-03-0-2-02
LAB SAMPLE NUMBER:	G 2063	G 2071	G 2072	G 2073	G 2018
LOCATION:	SB1-02	SB1-02	SB1-02	SB1-02	SB1-03
DEPTH (FT):	00-02	15-17	25-27	50-52	00-02
MATRIX:	SOIL	SOIL	SOIL	SOIL	SOIL
DCE (PPB):	57.2 U	57.2 U	57.2 U	57.2 U	64.4 US
TCA (PPB):	1080 UA	1080 UA	1080 UA	1080 UA	1080 AU
BENZENE (PPB):	40 US	40 U	40 U	40 U	40 U
TCE (PPB):	57.2 U	57.2 U	57.2 U	57.2 U	57.2 U
TOLUENE (PPB):	40 US	40 US	40 US	40 US	40 US
PCE (PPB):	52.4 U	52.4 U	52.4 U	52.4 U	52.4 U
ETHYLBENZENE (PPB):	40 U	40 U	40 U	40 U	40 U
TOTAL XYLENES (PPB):	6.73 E	40 U	40 U	40 US	40 U
HEAVY HYDROCARBON:	YES	NO	NO	NO	NO
LIGHT HYDROCARBON:	NO	NO	NO	NO	NO

NOTES

- U = NOT DETECTED AT CONCENTRATION GIVEN
- S = RESIDUAL SYSTEM (BLANK) CONTAMINATION
- E = ESTIMATED VALUE OUTSIDE OF CALIBRATION LINEAR RANGE
- A = ESTIMATED VALUE DUE TO CALIBRATION PROBLEM

APPENDIX K

RESULTS OF SCREENING ANALYSES SITE 1 SOIL SAMPLES (cont.) 161st ARBFG, PHOENIX, ARIZONA

FIELD SAMPLE NUMBER:	SB1-04-0-2-02	SB1-04-5-7-02	SB1-04-10-12-02	SB1-04-30-32-02	SB1-05-01-02
LAB SAMPLE NUMBER:	G 2015	G 2016	G 2017	G 2019	G 2007
LOCATION:	SB1-04	SB1-04	SB1-04	SB1-04	SB1-05
DEPTH (FT):	00-02	05-07	10-12	30-32	01-02
MATRIX:	SOIL	SOIL	SOIL	SOIL	SOIL
DCE (PPB):	64.4 US	64.4 US	64.4 US	64.4 US	64.4 US
TCA (PPB):	1080 AU	1080 AU	1080 AU	1080 AU	
BENZENE (PPB):	40 U	40 U	40 U	40 U	70 U
TCE (PPB):	57.2 U	57.2 U	57.2 U	57.2 U	100 U
TOLUENE (PPB):	40 US	40 US	40 US	40 US	70 U
PCE (PPB):	52.4 U	52.4 U	52.4 U	52.4 U	91.7 U
ETHYLBENZENE (PPB):	40 U	40 U	40 U	40 U	70 U
TOTAL XYLENES (PPB):	40 U	40 U	40 U	40 US	70 U
HEAVY HYDROCARBON:	NO	NO	NO	NO	NO
LIGHT HYDROCARBON:	NO	NO	NO	NO	NO

NOTES

- U = NOT DETECTED AT CONCENTRATION GIVEN
- S = RESIDUAL SYSTEM (BLANK) CONTAMINATION
- E = ESTIMATED VALUE OUTSIDE OF CALIBRATION LINEAR RANGE
- A = ESTIMATED VALUE DUE TO CALIBRATION PROBLEM

APPENDIX K

RESULTS OF SCREENING ANALYSES SITE 1 SOIL SAMPLES (cont.) 161st ARBFG, PHOENIX, ARIZONA

FIELD SAMPLE NUMBER:	SB1-05-0-502	SB1-05-5-10/02	SB1-05-5-10-15/02	SB1-05-25-30	SB1-05-25-30/02
LAB SAMPLE NUMBER:	G 2010	G 2011	G 2012	G 2045	G 2013
LOCATION:	SB1-05	SB1-05	SB1-05	SB1-05	SB1-05
DEPTH (FT):	00-05	05-10	10-15	25-30	25-30
MATRIX:	SOIL	SOIL	SOIL	SOIL	SOIL
DCE (PPB):	64.4 US	64.4 US	64.4 US	64.4 US	64.4 US
TCA (PPB):	1080 UA	1080 UA	1080 UA	1080 UA	1080 UA
BENZENE (PPB):	40 US	40 US	40 US	70 U	40 US
TCE (PPB):	57.2 U	57.2 U	57.2 U	100 U	57.2 U
TOLUENE (PPB):	40 US	40 US	40 U	70 U	40 US
PCE (PPB):	52.4 U	52.4 U	52.4 U	91.7 U	52.4 U
ETHYLBENZENE (PPB):	40 US	40 U	40 U	70 U	40 U
TOTAL XYLENES (PPB):	40 U	40 US	40 U	70 U	40 U
HEAVY HYDROCARBON:	NO	NO	NO	NO	NO
LIGHT HYDROCARBON:	NO	NO	NO	NO	NO

NOTES

- U = NOT DETECTED AT CONCENTRATION GIVEN
- S = RESIDUAL SYSTEM (BLANK) CONTAMINATION
- E = ESTIMATED VALUE OUTSIDE OF CALIBRATION LINEAR RANGE
- A = ESTIMATED VALUE DUE TO CALIBRATION PROBLEM

APPENDIX K

RESULTS OF SCREENING ANALYSES

SITE 1 SOIL SAMPLES (cont.)

W14 ARBERO, PHOENIX, ARIZONA

FIELD SAMPLE NUMBER:	SBI-65-45-50B2	SBI-65-65	MB1-02-0-2-43	MB1-02-15-17-01	MB1-02-50-52-01	MB1-02-55-57-01
LAB SAMPLE NUMBER:	G 2014	G 2006	G 2033 R	G 2034 R	G 2035 R	G 2036 R
LOCATION:	SBI-65	SBI-65	MB1-02	MB1-02	MB1-02	MB1-02
DEPTH (FT):	45-50	65	00-02	15-17	50-52	55-57
MATRIX:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
DCE (PPB):	64.4 US	64.4 U	57.2 U	57.2 U	57.2 U	57.2 U
TCA (PPB):	1000 UA	1000 UA	1000 US	1000 UA	1000 UA	1000 UA
BENZENE (PPB):	40 U	70 U	40 U	40 U	21.4 U	21.4 U
TCE (PPB):	57.2 U	100 U	57.2 U	57.2 U	33.4 U	33.4 U
TOLUENE (PPB):	40 US	70 US	40 US	40 US	24 US	24 US
PCE (PPB):	52.4 U	91.7 U	52.4 U	52.4 U	44 U	44 U
ETHYLBENZENE (PPB):	40 U	70 U	40 U	40 U	19.4 U	19.4 U
TOTAL XYLENES (PPB):	40 U	70 U	40 U	40 U	24.4 US	24.4 U
HEAVY HYDROCARBON:	NO	YES	NO	NO	NO	NO
LIGHT HYDROCARBON:	NO	NO	NO	NO	NO	NO

NOTES

- U = NOT DETECTED AT CONCENTRATION GIVEN
- S = RESIDUAL SYSTEM (BLANK) CONTAMINATION
- E = ESTIMATED VALUE OUTSIDE OF CALIBRATION LINEAR RANOTES
- A = ESTIMATED VALUE DUE TO CALIBRATION PROBLEM

APPENDIX K
RESULTS OF SCREENING ANALYSES
SITE 2 SOIL SAMPLES
161st ARBFO, PHOENIX, ARIZONA

FIELD SAMPLE NUMBER:	SB2-01-0-2-03	SB2-01-50-52-02	SB2-01-55-57-02	SB2-01-60-62-02	SB2-02-0-2-02	SB2-02-5-7-02
LAB SAMPLE NUMBER:	G 2037 R	G 2034 R	G 2039 R	G 2040 R	G 2026	G 2020
LOCATION:	SB2-01	SB2-01	SB2-01	SB2-01	SB2-02	SB2-02
DEPTH (FT):	00-02	50-52	55-57	60-62	00-02	05-07
MATRIX:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
DCE (PPB):	57.2 U	57.2 U	57.2 U	57.2 U	64.4 US	64.4 US
TCA (PPB):	1000 UA	1000 UA	1000 UA	1000 UA	1000 AU	1000 AU
BENZENE (PPB):	21.4 U	21.4 U	21.4 U	21.4 U	40 U	40 U
TCE (PPB):	33.4 U	33.4 U	33.4 U	33.4 U	57.2 U	57.2 U
TOLUENE (PPB):	24 US	24 US	24 US	24 US	40 US	40 US
PCE (PPB):	44 U	44 U	44 U	44 U	52.4 U	52.4 U
ETHYLBENZENE (PPB):	19.4 U	19.4 U	19.4 U	19.4 U	40 U	40 U
TOTAL XYLENES (PPB):	24.4 U	24.4 U	24.4 U	24.4 U	40 U	40 U
HEAVY HYDROCARBON:	NO	NO	NO	NO	NO	NO
LIGHT HYDROCARBON:	NO	NO	NO	NO	NO	NO

NOTES

- U = NOT DETECTED AT CONCENTRATION GIVEN
- S = RESIDUAL SYSTEM (BLANK) CONTAMINATION
- E = ESTIMATED VALUE OUTSIDE OF CALIBRATION LINEAR RANGE
- A = ESTIMATED VALUE DUE TO CALIBRATION PROBLEM

APPENDIX K
RESULTS OF SCREENING ANALYSES
SITE 2 SOIL SAMPLES (cont.)
161st AREFG, PHOENIX, ARIZONA

	SB2-02-10-12-02	SB2-02-40-42-02	SB2-02-50-52-02	SB2-02-70-72-02	SB2-04-0-2-02	SB2-04-15-17-02
FIELD SAMPLE NUMBER:	G 2021	G 2027	G 2022	G 2023	G 2024	G 2025
LAB SAMPLE NUMBER:	SB2-02	SB2-02	SB2-02	SB2-02	SB2-04	SB2-04
LOCATION:	10-12	40-42	50-52	70-72	00-02	15-17
DEPTH (FT):	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
MATRIX:						
DCE (PPB):	64.4 US	64.4 US	64.4 US	64.4 US	64.4 US	64.4 US
TCA (PPB):	1080 AU	1080 AU	1080 AU	1080 AU	1080 AU	1080 AU
BENZENE (PPB):	40 U	40 U	40 U	40 U	40 U	40 U
TCE (PPB):	57.2 U	57.2 U	57.2 U	57.2 U	57.2 U	57.2 U
TOLUENE (PPB):	40 US	40 US	40 US	40 US	40 US	40 US
PCE (PPB):	52.4 U	52.4 U	52.4 U	52.4 U	52.4 U	52.4 U
ETHYLBENZENE (PPB):	40 U	40 U	40 U	40 U	40 U	40 U
TOTAL XYLENES (PPB):	40 U	40 U	40 U	40 U	40 U	40 U
HEAVY HYDROCARBON:	NO	NO	NO	NO	NO	NO
LIGHT HYDROCARBON:	NO	NO	NO	NO	NO	NO

NOTES

U = NOT DETECTED AT CONCENTRATION GIVEN
S = RESIDUAL SYSTEM (BLANK) CONTAMINATION
E = ESTIMATED VALUE OUTSIDE OF CALIBRATION LINEAR RANGE
A = ESTIMATED VALUE DUE TO CALIBRATION PROBLEM

APPENDIX K
RESULTS OF SCREENING ANALYSES
SITE 2 SOIL SAMPLES (cont.)
161st AFB, PHOENIX, ARIZONA

FIELD SAMPLE NUMBER:	SB2-04-50-52-02	SB2-04-70-72-02	MR2-02-0-2-64	MR2-02-5-7-03	MR2-02-10-12-01	MR2-02-30-32-01
LAB SAMPLE NUMBER:	G 2029	G 2028	G 2077	G 2076	G 2079	G 2080
LOCATION:	SB2-04	SB2-04	MW2-02	MW2-02	MW2-02	MW2-02
DEPTH (FT):	50-52	70-72	60-02	65-07	10-12	50-32
MATRIX:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
DCE (PPB):	57.2 US	57.2 US	57.2 U	57.2 U	57.2 U	57.2 U
TCA (PPB):	1080 AU	1080 AU	1080 AU	1080 AU	1080 AU	1080 AU
BENZENE (PPB):	40 US	40 US	3.71 E	40 U	40 U	40 U
TCE (PPB):	57.2 U	57.2 U	57.2 U	57.2 U	57.2 U	57.2 U
TOLUENE (PPB):	40 US	40 US	40 US	40 US	40 US	40 US
PCE (PPB):	52.4 U	52.4 U	52.4 U	52.4 U	52.4 U	52.4 U
ETHYLBENZENE (PPB):	40 U	40 U	40 U	40 U	40 U	40 U
TOTAL XYLENES (PPB):	40 U	40 US	13.5 E	40 US	40 U	40 US
HEAVY HYDROCARBON:	NO	NO	YES	NO	NO	NO
LIGHT HYDROCARBON:	NO	NO	NO	NO	NO	NO

NOTES

- U = NOT DETECTED AT CONCENTRATION GIVEN
- S = RESIDUAL SYSTEM (BLANK) CONTAMINATION
- E = ESTIMATED VALUE OUTSIDE OF CALIBRATION LINEAR RANGE
- A = ESTIMATED VALUE DUE TO CALIBRATION PROBLEM

APPENDIX K
RESULTS OF SCREENING ANALYSES
SITE 2 SOIL SAMPLES (cont.)
161st AREFG, PHOENIX, ARIZONA

FIELD SAMPLE NUMBER:	MB2-02-45-47-01	MB2-02-50-52-01	MB2-02-65-67-01	MB2-02-70-72-01
LAB SAMPLE NUMBER:	G 2081	G 2082	G 2083	G 2084
LOCATION:	MW2-02	MW2-02	MW2-02	MW2-02
DEPTH (FT):	45-47	50-52	65-67	70-72
MATRIX:	SOIL	SOIL	SOIL	SOIL
DCE (PPB):	57.2 U	57.2 U	57.2 U	57.2 U
TCA (PPB):	1080 AU	1080 AU	1080 AU	1080 AU
BENZENE (PPB):	40 U	40 U	40 U	40 U
TCE (PPB):	57.2 U	57.2 U	57.2 U	57.2 U
TOLUENE (PPB):	40 US	40 US	40 US	40 US
PCE (PPB):	52.4 U	52.4 U	52.4 U	52.4 U
ETHYLBENZENE (PPB):	40 U	40 U	40 U	40 US
TOTAL XYLENES (PPB):	40 US	40 U	40 U	40 U
HEAVY HYDROCARBON:	NO	NO	NO	NO
LIGHT HYDROCARBON:	NO	NO	NO	NO

NOTES

U = NOT DETECTED AT CONCENTRATION GIVEN
S = RESIDUAL SYSTEM (BLANK) CONTAMINATION
E = ESTIMATED VALUE OUTSIDE OF CALIBRATION LINEAR RANGE
A = ESTIMATED VALUE DUE TO CALIBRATION PROBLEM

APPENDIX K

RESULTS OF SCREENING ANALYSES SITE 3 SOIL SAMPLES 161st ARBFG, PHOENIX, ARIZONA

FIELD SAMPLE NUMBER:	MB3-01-0-1.5-03	MB3-01-5-6.5-3	MB3-01-35-34.5-2	MB3-01-40-41.5-01	MB3-01-50-51.5-01	MB3-01-55-56.5-1
LAB SAMPLE NUMBER:	G 2108	G 2109	G 2110	G 2111	G 2112	G 2113
LOCATION:	MW3-01	MW3-01	MW3-01	MW3-01	MW3-01	MW3-01
DEPTH (FT):	00-01.5	05-06.5	35-36.5	40-41.5	50-51.5	55-56.5
MATRIX:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
DCE (PPB):	8.4 U	7.4 U	5.7 U	8.4 U	5.5 U	8.4 U
TCA (PPB):	870 U	770 U	590 U	870 U	570 U	870 U
BENZENE (PPB):	7.1 U	6.3 U	4.8 U	7.1 U	4.7 U	7.1 U
TCE (PPB):	34 U	30 U	23 U	34 U	22 U	34 U
TOLUENE (PPB):	6.5 U	5.7 U	4.4 U	6.5 U	4.3 U	6.5 U
PCE (PPB):	54 U	47 U	36 U	54 U	35 U	53 U
ETHYLBENZENE (PPB):	5.3 U	.7 U	3.6 U	5.3 U	3.5 U	5.3 U
TOTAL XYLENES (PPB):	12 U	11 U	8.4 U	12 U	8.1 U	12 U
HEAVY HYDROCARBON:	NO	NO	NO	NO	NO	NO
LIGHT HYDROCARBON:	NO	NO	NO	NO	NO	NO

NOTES

- U = NOT DETECTED AT CONCENTRATION GIVEN
- S = RESIDUAL SYSTEM (BLANK) CONTAMINATION
- E = ESTIMATED VALUE OUTSIDE OF CALIBRATION LINEAR RANGE
- A = ESTIMATED VALUE DUE TO CALIBRATION PROBLEM

APPENDIX E

RESULTS OF SCREENING ANALYSES SITE 3 SOIL SAMPLES (cont.) 14th AREFG, PHOENIX, ARIZONA

FIELD SAMPLE NUMBER:	MB3-01-60-61.5-1	MB3-01-99-01	MB3-02-0-1.5-03	MB3-02-5-6.5-03	MB3-01-0-1.5-03	MB3-01-01-01-01
LAB SAMPLE NUMBER:	G 2114	G 2115	G 2116	G 2117	G 2118	G 2119
LOCATION:	MW3-01	MW3-01	MW3-02	MW3-02	MB3-01	MB3-01
DEPTH (FT):	60-61.5	99-01	00-01.5	65-66.5	00-01.5	34
MATRIX:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
DCE (PPB):	6.8	4.7 U	8.9 U	9.3 U	63 U	44 U
TCA (PPB):	710 U	400 U	920 U	970 U	1300 U	2300 U
BENZENE (PPB):	5.8 U	3.9 U	7.5 U	7.9 U	11 U	7.5 U
TCE (PPB):	28 U	19 U	34 U	38 U	200 U	143 U
TOLUENE (PPB):	5.3 U	3.6 U	6.9 U	7.2 U	9.8 U	6.9 U
PCE (PPB):	43 U	30 U	57 U	59 U	160 U	110 U
ETHYLBENZENE (PPB):	4.3 U	2.9 U	5.6 U	5.9 U	8 U	5.6 U
TOTAL XYLENES (PPB):	6 U	6.8 U	13 U	14 U	19 U	13 U
HEAVY HYDROCARBON:	NO	NO	NO	NO	NO	NO
LIGHT HYDROCARBON:	NO	NO	NO	NO	NO	NO

NOTES

- U = NOT DETECTED AT CONCENTRATION GIVEN
- S = RESIDUAL SYSTEM (BLANK) CONTAMINATION
- E = ESTIMATED VALUE OUTSIDE OF CALIBRATION LINEAR RANGE
- A = ESTIMATED VALUE DUE TO CALIBRATION PROBLEM

APPENDIX K

RESULTS OF SCREENING ANALYSES SITE 3 SOIL SAMPLES (cont.) 161st AFB, PHOENIX, ARIZONA

FIELD SAMPLE NUMBER:	SB3-01-36-01	SB3-01-44-01	SB3-01-50-51.5-02	SB3-01-63-01	SB3-01-69-01	SB3-01-80-81.5-03
LAB SAMPLE NUMBER:	G 2120	G 2121	G 2122	G 2123	G 2124	G 2125
LOCATION:	SB3-01	SB3-01	SB3-01	SB3-01	SB3-01	SB3-01
DEPTH (FT):	36	44	50-51.5	63	69	80-81.5
MATRIX:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
DCE (PPB):	139	30 U	23 U	34 U	74 U	5.7 U
TCA (PPB):	2100 U	1500 U	1200 U	1800 U	3800 U	770 U
BENZENE (PPB):	6.8 U	5 U	3.9 U	5.8 U	13 U	3.5 U
TCE (PPB):	130 U	95 U	75 U	30 E	240 U	35 U
TOLUENE (PPB):	6.2 U	4.6 U	3.6 U	17.7	89	3.5 U
PCE (PPB):	100 U	75 U	59 U	3.9 E	240	170 U
ETHYLBENZENE (PPB):	5.1 U	3.7 U	2.9 U	2 E	9.3 U	3.5 U
TOTAL XYLENES (PPB):	12 U	3.4 E	6.8 U	6.1 E	22 U	14 U
HEAVY HYDROCARBON:	NO	YES	NO	YES	YES	NO
LIGHT HYDROCARBON:	NO	NO	NO	NO	YES	NO

NOTES

- U = NOT DETECTED AT CONCENTRATION GIVEN
- S = RESIDUAL SYSTEM (BLANK) CONTAMINATION
- E = ESTIMATED VALUE OUTSIDE OF CALIBRATION LINEAR RANGE
- A = ESTIMATED VALUE DUE TO CALIBRATION PROBLEM

APPENDIX E

RESULTS OF SCREENING ANALYSES SITE 3 SOIL SAMPLES (cont.) 161st AIRBQ, PHOENIX, ARIZONA

FIELD SAMPLE NUMBER:	883-85-10-11.5-83	883-85-20-21.5-82	883-85-34-81	883-85-40-41.5-81	883-85-54-81	883-85-74-81	883-85-84-81
LAB SAMPLE NUMBER:	G 2154	G 2157	G 2158	G 2159	G 2160	G 2161	G 2162
LOCATION:	883-85-10-11.5	883-85-20-21.5	883-85-34	883-85-40-41.5	883-85-54	883-85-74	883-85-84
DEPTH (FT):	10-11.5	20-21.5	34	40-41.5	54	74	84-84.5
MATRIX:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
DCE (PPB):	6.6 U	6.4 U	5.9 U	6.1 U	9 U	17 U	55 U
TCA (PPB):	900 U	670 U	800 U	1100 U	1200 U	2000 U	2000 U
BENZENE (PPB):	41 U	3.9 U	3.6 U	4.9 U	5.5 U	10 U	12
TCE (PPB):	41 U	4.3 E	3.4 E	96 U	110 U	210 U	270
TOLUENE (PPB):	41 U	4 U	3.7 U	5 U	5.6 U	11 U	8.6 U
PCE (PPB):	200 U	190 U	36 U	200 U	270 U	510 U	140 U
ETHYLBENZENE (PPB):	41 U	3.9 U	3.6 U	4.9 U	5.5 U	10 U	7 U
TOTAL XYLENES (PPB):	16 U	16 U	4.4 E	20 U	22 U	41 U	16 U
HEAVY HYDROCARBON:	NO	NO	NO	NO	NO	NO	NO
LIGHT HYDROCARBON:	NO	NO	NO	NO	NO	NO	YES

NOTES

- U = NOT DETECTED AT CONCENTRATION GIVEN
- S = RESIDUAL SYSTEM (BLANK) CONTAMINATION
- E = ESTIMATED VALUE OUTSIDE OF CALIBRATION LINEAR RANGE
- A = ESTIMATED VALUE DUE TO CALIBRATION PROBLEM

APPENDIX E

RESULTS OF SCREENING ANALYSES SITE 3 SOIL SAMPLES (cont.) 16th AREFG, PHOENIX, ARIZONA

FIELD SAMPLE NUMBER:	SB3-04-5-6.5-04	SB3-04-10-11.5-01	SB3-04-20-21.5-01	SB3-04-35-36.5-01	SB3-04-40-41.5-01	SB3-04-49-01	SB3-04-60-60.5-01
LAB SAMPLE NUMBER:	G 2127	G 2128	G 2129	G 2130	G 2131	G 2132	G 2133
LOCATION:	SB3-04	SB3-04	SB3-04	SB3-04	SB3-04	SB3-04	SB3-04
DEPTH (FT):	05-06.5	10-11.5	20-21.5	35-36.5	40-41.5	49	60-60.5
MATRIX:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
DCE (PPB):	49 U	22 U	26 U	88 U	47 U	8.1 U	7.7 U
TCA (PPB):	2400 U	1100 U	1400 U	4600 U	2400 U	1100 U	1000 U
BENZENE (PPB):	8.3 U	3.8 U	4.4 U	15 U	7.9 U	4.9 U	4.7 U
TCE (PPB):	160 U	72 U	84 U	290 U	150 U	49 U	47 U
TOLUENE (PPB):	7.4 U	3.3 U	4 U	14 U	6.8 U	5 U	4.8 U
PCE (PPB):	130 U	57 U	66 U	230 U	120 U	240 U	230 U
ETHYLBENZENE (PPB):	6.2 U	2.8 U	3.3 U	11 U	5.9 U	4.9 U	1.8 E
TOTAL XYLENES (PPB):	14 U	6.5 U	7.6 U	26 U	14 U	29 U	9.9 E
HEAVY HYDROCARBON:	NO	NO	NO	NO	NO	NO	NO
LIGHT HYDROCARBON:	NO	NO	NO	NO	NO	NO	NO

NOTES

- U = NOT DETECTED AT CONCENTRATION GIVEN
- S = RESIDUAL SYSTEM (BLANK) CONTAMINATION
- E = ESTIMATED VALUE OUTSIDE OF CALIBRATION LINEAR RANGE
- A = ESTIMATED VALUE DUE TO CALIBRATION PROBLEM

APPENDIX K
RESULTS OF SCREENING ANALYSES
SITE 5 SOIL SAMPLES
161st AREFG, PHOENIX, ARIZONA

FIELD SAMPLE NUMBER:	MB5-01-0-2-0	MB5-01-5-7-0	MB5-01-20-22-0	MB5-01-25-27-01
LAB SAMPLE NUMBER:	G 2005	G 2006	G 2007	G 2008
LOCATION:	MW5-01	MW5-01	MW5-01	MW5-01
DEPTH (FT):	00-02	05-07	20-22	25-27
MATRIX:	SOIL	SOIL	SOIL	SOIL
DCE (PPB):	114 U	114 U	114 U	114 U
TCA (PPB):	1080 AU	1080 AU	1080 AU	1080 AU
BENZENE (PPB):	10.7 U	10.7 U	10.7 U	10.7 U
TCE (PPB):	66.8 U	66.8 U	66.8 U	66.8 U
TOLUENE (PPB):	12 US	12 US	12 US	12 US
PCE (PPB):	88 U	88 U	88 U	88 U
ETHYLBENZENE (PPB):	9.7 US	9.7 U	9.7 U	9.7 U
TOTAL XYLENES (PPB):	22.9 US	22.9 US	22.9 US	22.9 US
HEAVY HYDROCARBON:	NO	NO	NO	NO
LIGHT HYDROCARBON:	NO	NO	NO	NO

NOTES

U = NOT DETECTED AT CONCENTRATION GIVEN
S = RESIDUAL SYSTEM (BLANK) CONTAMINATION
E = ESTIMATED VALUE OUTSIDE OF CALIBRATION LINEAR RANGE
A = ESTIMATED VALUE DUE TO CALIBRATION PROBLEM

APPENDIX K

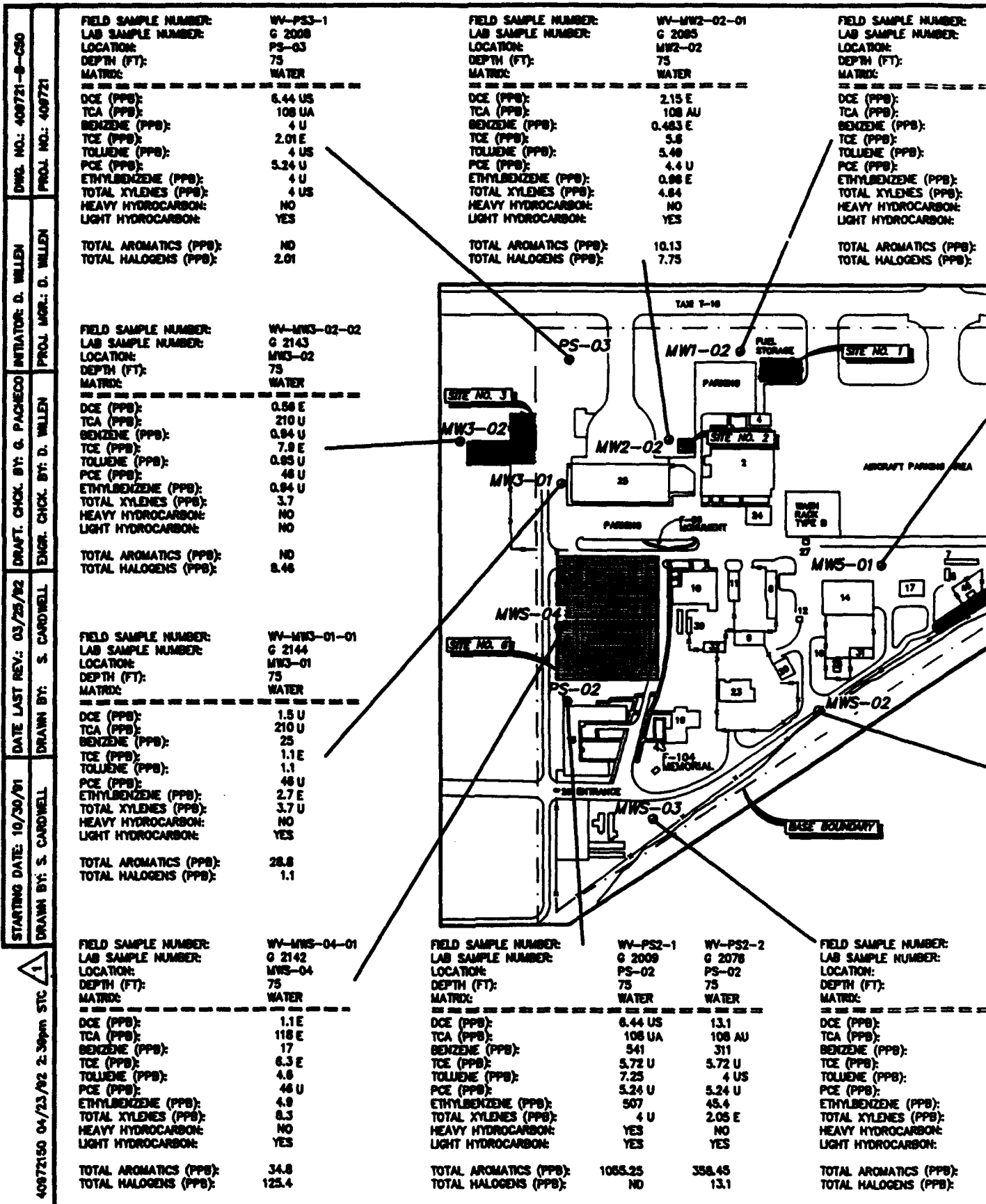
RESULTS OF SCREENING ANALYSES SITE 5 SOIL SAMPLES (cont.) 161st AREFG, PHOENIX, ARIZONA

FIELD SAMPLE NUMBER:	MB5-01-45-47-01	MB5-01-55-57-01	MB5-01-60-62-02	MB5-01-75-77-02
LAB SAMPLE NUMBER:	G 2089	G 2090	G 2091	G 2092
LOCATION:	MW5-01	MW5-01	MW5-01	MW5-01
DEPTH (FT):	45-47	55-57	60-62	75-77
MATRIX:	SOIL	SOIL	SOIL	SOIL
DCE (PPB):	114 U	114 U	114 U	114 U
TCA (PPB):	1080 AU	1080 AU	1080 AU	1080 AU
BENZENE (PPB):	10.7 U	10.7 U	10.7 U	10.7 U
TCE (PPB):	66.8 U	66.8 U	66.8 U	66.8 U
TOLUENE (PPB):	12 US	12 US	12 US	12 US
PCE (PPB):	88 U	88 U	88 U	88 U
ETHYLBENZENE (PPB):	9.7 U	9.7 U	9.7 US	9.7 US
TOTAL XYLENES (PPB):	22.9 U	22.9 U	22.9 U	22.9 U
HEAVY HYDROCARBON:	NO	NO	NO	NO
LIGHT HYDROCARBON:	NO	NO	NO	NO

NOTES

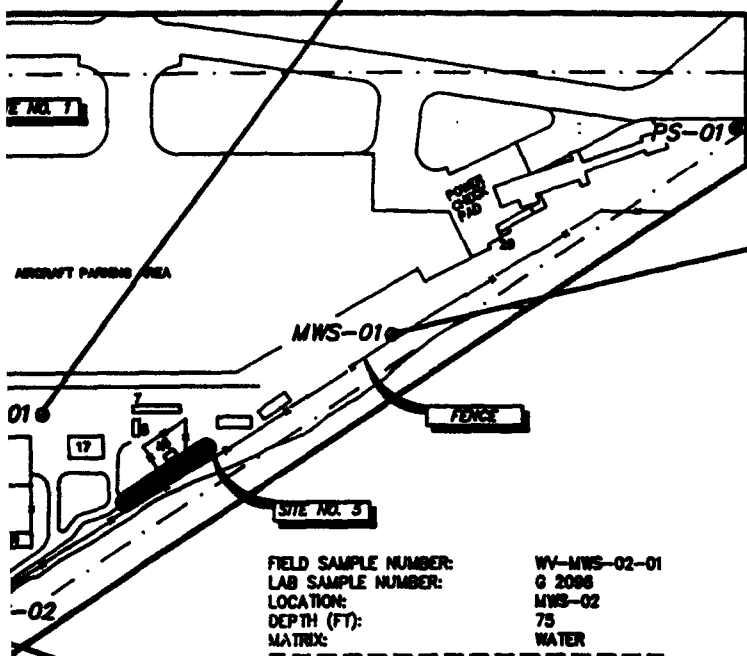
- U = NOT DETECTED AT CONCENTRATION GIVEN
- S = RESIDUAL SYSTEM (BLANK) CONTAMINATION
- E = ESTIMATED VALUE OUTSIDE OF CALIBRATION LINEAR RANGE
- A = ESTIMATED VALUE DUE TO CALIBRATION PROBLEM

1



3

FIELD SAMPLE NUMBER:	WV-MW1-02-01	FIELD SAMPLE NUMBER:	WV-MWS-01-01	FIELD SAMPLE NUMBER:	WV-PS1-1
LAB SAMPLE NUMBER:	G 2084	LAB SAMPLE NUMBER:	G 2067	LAB SAMPLE NUMBER:	G 2088
LOCATION:	MW1-02	LOCATION:	MWS-01	LOCATION:	PS-01
DEPTH (FT):	75	DEPTH (FT):	75	DEPTH (FT):	75
MATRIX:	WATER	MATRIX:	WATER	MATRIX:	WATER
DCE (PPB):	1.74 E	DCE (PPB):	1.35 E	DCE (PPB):	5.72 U
TCA (PPB):	108 AU	TCA (PPB):	108 UA	TCA (PPB):	108 AU
BENZENE (PPB):	0.42 ES	BENZENE (PPB):	0.408	BENZENE (PPB):	4 US
TCE (PPB):	0.88 E	TCE (PPB):	3.38	TCE (PPB):	5.72 U
TOLUENE (PPB):	1.44 E	TOLUENE (PPB):	1.91 E	TOLUENE (PPB):	4 US
PCE (PPB):	5.24 U	PCE (PPB):	4.4 U	PCE (PPB):	5.24 U
ETHYLBENZENE (PPB):	40 U	ETHYLBENZENE (PPB):	1.84 U	ETHYLBENZENE (PPB):	4 U
TOTAL XYLENES (PPB):	40 U	TOTAL XYLENES (PPB):	0.908 E	TOTAL XYLENES (PPB):	4 US
HEAVY HYDROCARBON:	NO	HEAVY HYDROCARBON:	NO	HEAVY HYDROCARBON:	NO
LIGHT HYDROCARBON:	YES	LIGHT HYDROCARBON:	YES	LIGHT HYDROCARBON:	NO
TOTAL AROMATICS (PPB):	1.88	TOTAL AROMATICS (PPB):	3.225	TOTAL AROMATICS (PPB):	NO
TOTAL HALOGENS (PPB):	2.63	TOTAL HALOGENS (PPB):	4.73	TOTAL HALOGENS (PPB):	NO



FIELD SAMPLE NUMBER:	WV-MWS-01-01	WV-MWS-01-01
LAB SAMPLE NUMBER:	G 2067	G 2088
LOCATION:	MWS-01	MWS-01
DEPTH (FT):	75	75
MATRIX:	WATER	WATER
DCE (PPB):	5.72 US	5.72 U
TCA (PPB):	108 AU	108 AU
BENZENE (PPB):	4 U	4 U
TCE (PPB):	5.72 U	0.88 E
TOLUENE (PPB):	4 U	5
PCE (PPB):	5.24 U	5.24 U
ETHYLBENZENE (PPB):	4 U	4 U
TOTAL XYLENES (PPB):	4 U	4 US
HEAVY HYDROCARBON:	NO	NO
LIGHT HYDROCARBON:	YES	YES
TOTAL AROMATICS (PPB):	NO	5
TOTAL HALOGENS (PPB):	NO	0.88

FIELD SAMPLE NUMBER:	WV-MWS-02-01
LAB SAMPLE NUMBER:	G 2088
LOCATION:	MWS-02
DEPTH (FT):	75
MATRIX:	WATER
DCE (PPB):	4.43 E
TCA (PPB):	112 A
BENZENE (PPB):	18.7
TCE (PPB):	8.98
TOLUENE (PPB):	3.1
PCE (PPB):	4.4 U
ETHYLBENZENE (PPB):	0.81 E
TOTAL XYLENES (PPB):	3.88
HEAVY HYDROCARBON:	NO
LIGHT HYDROCARBON:	YES
TOTAL AROMATICS (PPB):	23.47
TOTAL HALOGENS (PPB):	128.38

FIELD SAMPLE NUMBER:	WV-MWS-03-01	WV-MWS-03-02
LAB SAMPLE NUMBER:	G 2088	G 2070
LOCATION:	MWS-03	MWS-03
DEPTH (FT):	75	75
MATRIX:	WATER	WATER
DCE (PPB):	2.7 E	5.72 U
TCA (PPB):	108 U	108 AU
BENZENE (PPB):	4 U	4 U
TCE (PPB):	3.44 E	9.75
TOLUENE (PPB):	4 U	3.11 U
PCE (PPB):	5.24 U	5.24 U
ETHYLBENZENE (PPB):	4 U	4 US
TOTAL XYLENES (PPB):	4 U	4
HEAVY HYDROCARBON:	NO	NO
LIGHT HYDROCARBON:	YES	YES
TOTAL AROMATICS (PPB):	NO	3.11
TOTAL HALOGENS (PPB):	6.14	8.75

LEGEND - DATA QUALIFIERS:

- A- DUE TO COMPOUND SPECIFIC CALIBRATION DIFFICULTY, VALUE IS ESTIMATED
- E- COMPOUND DETECTED EITHER ABOVE OR BELOW DETECTION LIMIT, REPORTED RESULTS ARE ESTIMATED
- U- NONE DETECTED, VALUE REPORTED IS LOWER THAN DETECTION LIMIT
- US- COMPOUND DETECTED BELOW DETECTION LIMIT AS A RESULT OF SYSTEM CONTAMINATION

FIGURE K-1
SUMMARY OF FIELD SCREENING
WATER ANALYSIS

161 AREFG, ARIZONA ANG
SKY HARBOR IAP
PHOENIX, ARIZONA



APPENDIX L

TABULATION OF SOIL ANALYTICAL RESULTS

APPENDIX L
RESULTS OF VOAs IN SOIL
161 AREFG SITE INVESTIGATION
PHOENIX, ARIZONA

Sample Number:	MBS-01-0-2-01	MBS-01-60-62-01	MBS-02-0-2-01	MBS-07-5-7-01	MBS-02-10-12-01	MBS-03-0-2-01	MBS-03-5-7-01
Sample Date:	29-Jan-91	29-Jan-91	31-Jan-91	31-Jan-91	31-Jan-91	30-Jan-91	30-Jan-91
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Lab Number:	C101318-01A	C101318-04A	C102088-01A	C102088-03A	C102088-07A		C101328-03A
Analysis Date:	07-Feb-91	07-Feb-91	08-Feb-91	08-Feb-91	08-Feb-91	07-Feb-91	07-Feb-91
Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND NAME	CASE NUMBER						
1,1,1-Trichloroethane	71-53-6	5U	5U	5U	6U	5U	5U
1,1,2,2-Tetrachloroethane	79-34-5	5U	5U	5U	6U	5U	5U
1,1,2-Trichloroethane	79-00-5	5U	5U	5U	6U	5U	5U
1,1-Dichloroethane	75-34-3	5U	5U	5U	6U	5U	5U
1,1-Dichloroethane	75-35-4	5U	5U	5U	6U	5U	5U
1,2-Dichloroethane	107-06-2	5U	5U	5U	6U	5U	5U
1,2-Dichloroethylene	540-59-0	5U	5U	5U	6U	5U	5U
1,2-Dichloropropane	78-87-5	5U	5U	5U	6U	5U	5U
2-Butanone	78-83-3	11U	11U	10U	12U	11U	11U
2-Hexanone	591-78-6	11U	11U	10U	12U	11U	11U
4-Methyl-2-pentanone	108-10-1	11U	11U	10U	12U	11U	11U
Acetone	67-64-1	11U	10U	10U	6U	11U	10U
Benzene	71-43-2	5U	5U	5U	6U	5U	5U
Bromodichloromethane	75-27-4	5U	5U	5U	6U	5U	5U
Bromoforn	75-25-2	5U	5U	5U	6U	5U	5U
Bromomethane	74-83-9	11U	11U	10U	12U	11U	11U
Carbon disulfide	75-15-0	5U	5U	5U	6U	5U	5U
Carbon Tetrachloride	56-23-5	5U	5U	5U	6U	5U	5U
Chlorobenzene	106-90-7	5U	5U	5U	6U	5U	5U
Chloroethane	75-00-3	11U	11U	10U	12U	11U	11U
Chloroform	67-66-3	5U	5U	5U	6U	5U	5U
Chloromethane	74-87-3	11U	11U	10U	12U	11U	11U
cis-1,3-Dichloropropene	10061-01-5	5U	5U	5U	6U	5U	5U
Dibromochloromethane	124-48-1	5U	5U	5U	6U	5U	5U
Ethylbenzene	100-41-4	5U	5U	5U	6U	5U	5U
Methylene chloride	75-09-2	7U	10U	15U	14U	14U	6U
Styrene	100-42-5	5U	5U	5U	6U	5U	5U
Tetrachloroethane	127-18-4	5U	5U	5U	6U	5U	5U
Toluene	108-88-3	5U	5U	5U	6U	5U	5U
trans-1,3-Dichloropropene	10061-02-6	5U	5U	5U	6U	5U	5U
Trichloroethane	79-01-6	5U	5U	5U	6U	5U	5U
Vinyl Acetate	108-05-4	11U	11U	10U	12U	11U	11U
Vinyl chloride	75-01-4	11U	11U	10U	12U	11U	11U
Total xylenes	1330-20-7	5U	5U	5U	6U	5U	5U
TPH		10000 U	10000 U	9800000	10000 U	75000	30000

U = Compound not detected
J = Estimated value
E = Estimated concentration above calibration range
R = Result rejected in validation

APPENDIX I

RESULTS OF VOAs IN SOME

WFOG SITE INVESTIGATION

Sample Number:	SB1-02-0-2-01	SB1-03-0-2-01	SB1-03-20-22-01	SB1-03-35-37-01	SB1-03-35-37-02	SB1-03-55-57-01	SB1-03-55-57-02
Sample Date:	04-Feb-91	21-Jan-91	21-Jan-91	21-Jan-91	21-Jan-91	22-Jan-91	22-Jan-91
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Lab Number:	C102058-01A	C101211-05A	C101211-14A	C101211-06A	C101211-07A	C101215-01A	C101215-02A
Analysis Date:	12-Feb-91	26-Jan-91	25-Jan-91	25-Jan-91	26-Jan-91	26-Jan-91	26-Jan-91
Units:	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
CASE NUMBER							
1,1,1-Trichloroethane	5 U	5 U	5 U	5 U	5 U	6 U	6 U
1,1,2,2-Tetrachloroethane	5 U	5 U	5 U	5 U	5 U	6 U	6 U
1,1,2-Trichloroethane	5 U	5 U	5 U	5 U	5 U	6 U	6 U
1,1-Dichloroethane	5 U	5 U	5 U	5 U	5 U	6 U	6 U
1,1,1-Dichloroethane	5 U	5 U	5 U	5 U	5 U	6 U	6 U
1,2-Dichloroethane	5 U	5 U	5 U	5 U	5 U	6 U	6 U
1,2-Dichloroethane	5 U	5 U	5 U	5 U	5 U	6 U	6 U
1,2-Dichloropropane	5 U	5 U	5 U	5 U	5 U	6 U	6 U
2-Butanone	11 U	11 U	10 U	10 U	10 U	13 U	12 U
2-Hexanone	11 U	11 U	10 U	10 U	10 U	13 U	12 U
4-Methyl-2-pentanone	11 U	11 U	10 U	10 U	10 U	13 U	12 U
Acetone	8 U	12 U	26	12 U	12 U	6 U	6 U
Benzene	5 U	5 U	5 U	5 U	5 U	6 U	6 U
Bromodichloromethane	5 U	5 U	5 U	5 U	5 U	6 U	6 U
Bromoform	5 U	5 U	5 U	5 U	5 U	6 U	6 U
Bromomethane	11 U	11 U	10 U	10 U	10 U	13 U	12 U
Carbon disulfide	5 U	5 U	5 U	5 U	5 U	6 U	6 U
Carbon Tetrachloride	5 U	5 U	5 U	5 U	5 U	6 U	6 U
Chlorobenzene	5 U	5 U	5 U	5 U	5 U	6 U	6 U
Chloroethane	11 U	11 U	10 U	10 U	10 U	13 U	12 U
Chloroform	5 U	5 U	5 U	5 U	5 U	6 U	6 U
Chloromethane	11 U	11 U	10 U	10 U	10 U	13 U	12 U
1,3-Dichloropropene	5 U	5 U	5 U	5 U	5 U	6 U	6 U
Dibromochloromethane	5 U	5 U	5 U	5 U	5 U	6 U	6 U
Ethylbenzene	5 U	5 U	5 U	5 U	5 U	6 U	6 U
Methylene chloride	6 U	6 U	9 U	13 U	13 U	8 U	10 U
Styrene	5 U	5 U	5 U	5 U	5 U	6 U	6 U
Tetrachloroethane	5 U	5 U	5 U	5 U	5 U	6 U	6 U
Toluene	5 U	5 U	5 U	5 U	5 U	6 U	6 U
trans-1,3-Dichloropropene	5 U	5 U	5 U	5 U	5 U	6 U	6 U
Trichloroethane	5 U	5 U	5 U	5 U	5 U	6 U	6 U
Vinyl Acetate	11 U	11 U	10 U	10 U	10 U	13 U	12 U
Vinyl chloride	11 U	11 U	10 U	10 U	10 U	13 U	12 U
Total xylenes	5 U	5 U	5 U	5 U	5 U	6 U	6 U
TPH	20000	10000 U	10000 U	10000 U	10000 U	10000 U	10000 U

U = Compound not detected

J = Estimated value

EE = Estimated concentration above calibration range

RI = Result rejected in validation

APPENDIX L
RESULTS OF VOAs IN SOIL
161 AREFG SITE INVESTIGATION
PHOENIX, ARIZONA

Sample Number:	S82-01-0-0-2-01	S82-01-55-57-01	S82-02-0-2-01	S82-02-10-12-01	S82-02-70-72-01	S82-04-0-2-01	S82-04-15-17-
Sample Date:	29-Jan-91	29-Jan-91	22-Jan-91	22-Jan-91	22-Jan-91	22-Jan-91	22-Jan-91
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Lab Number:	C101317-01A	C101317-02A	C101215-04A	C101215-06A	C101215-10A	C101215-11A	C101215-03A
Analysis Date:	07-Feb-91	07-Feb-91	28-Jan-91	28-Jan-91	28-Jan-91	26-Jan-91	31-Jan-91
Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND NAME	CAS NUMBER						
1,1,1-Trichloroethane	71-55-6	5U	6U	5U	6U	6U	5U
1,1,2,2-Tetrachloroethane	79-34-5	5U	6U	5U	6U	6U	5U
1,1,2-Trichloroethane	79-00-5	5U	6U	5U	6U	6U	5U
1,1-Dichloroethane	75-34-3	5R	6U	5U	6U	6U	5U
1,1-Dichloroethene	75-35-4	5U	6U	5U	6U	6U	5U
1,2-Dichloroethane	107-06-2	5U	6U	5U	6U	6U	5U
1,2-Dichloroethylene	540-59-0	5U	6U	5U	6U	6U	5U
1,2-Dichloropropane	78-87-5	5U	6U	5U	6U	6U	5U
2-Butanone	78-93-3	11U	12UJ	11UJ	11UJ	11UJ	10U
2-Hexanone	591-78-6	11U	12U	11U	11U	11U	10U
4-Methyl-2-pentanone	108-10-1	11U	12U	11U	11U	11U	10U
Acetone	67-64-1	11U	12U	11U	11U	11U	10U
Benzene	71-43-2	5U	6U	5U	6U	6U	5U
Bromodichloromethane	75-27-4	5U	6U	5U	6U	6U	5U
Bromoform	75-25-2	5U	6U	5U	6U	6U	5U
Bromomethane	74-83-9	11U	12U	11U	11U	11U	10U
Carbon disulfide	75-15-0	5U	6U	5U	6U	6U	5U
Carbon Tetrachloride	56-23-5	5R	6U	5U	6U	6U	5U
Chlorobenzene	108-90-7	5U	6U	5U	6U	6U	5U
Chloroethane	75-00-3	11U	12U	11U	11U	11U	10U
Chloroform	67-66-3	5U	6U	5U	6U	6U	5U
Chloromethane	74-87-3	11U	12UJ	11UJ	11UJ	11UJ	10R
cis-1,3-Dichloropropene	10061-01-	5U	6U	5U	6U	6U	5U
Dibromochloromethane	124-48-1	5U	6U	5U	6U	6U	5U
Ethylbenzene	100-41-4	5U	6U	5U	6U	6U	5U
Methylene chloride	75-09-2	14U	5U	5U	9U	6U	10U
Styrene	100-42-5	5U	6U	5U	6U	6U	5U
Tetrachloroethene	127-18-4	5U	6U	5U	6U	6U	5U
Toluene	108-88-3	5U	6U	5U	6U	6U	5U
trans-1,3-Dichloropropene	10061-02-	5U	6U	5U	6U	6U	5U
Trichloroethene	79-01-6	5U	6U	5U	6U	6U	5U
Vinyl Acetate	108-05-4	11R	12U	11U	11U	11U	10U
Vinyl chloride	75-01-4	11U	12U	11U	11U	11U	10U
Total xylenes	1330-20-7	5U	6U	5U	6U	6U	5U
TPH		210000	10000 U	10000 U	10000 U	10000 U	10000 U

U = Compound not detected
J = Estimated value
E = Estimated concentration above calibration range
R = Result rejected in validation

APPENDIX L
RESULTS OF VOCs IN SOIL
161 AREFG SITE INVESTIGATION
PHOENIX, ARIZONA

Sample Number:		SB3-01-0-1 1/2-01	SB3-01-50-51 1/2-01	SB3-01-70-71 1/2-01	SB3-03-0-0-1 1/2-01	SB3-03-10-11 1/2-01	SB3-03-20-21 1/2-01	SB3-04-0-0-1 1/2-01
Sample Date:		24-Mar-91	24-Mar-91	25-Mar-91	25-Mar-91	25-Mar-91	25-Mar-91	24-Mar-91
Matrix:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Lab Number:		C103220-03A	C103220-04A	C103220-11A	C103220-07A	C103220-08A	C103220-09A	C103220-08A
Analysis Date:		26-Mar-91	26-Mar-91	27-Mar-91	27-Mar-91	27-Mar-91	28-Mar-91	28-Mar-91
Units:		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND NAME	CASE NUMBER							
1,1,1-Trichloroethane	71-55-6	5U	5U	5U	5U	5U	5U	5U
1,1,2,2-Tetrachloroethane	79-34-5	5U	5U	5U	5U	5U	5U	5U
1,1,2-Trichloroethane	79-00-5	5U	5U	5U	5U	5U	5U	5U
1,1-Dichloroethane	75-34-3	5U	5U	5U	5U	5U	5U	5U
1,1-Dichloroethene	75-35-4	5R	5U	5U	5U	5U	5U	5U
1,2-Dichloroethane	107-06-2	5U	5U	5U	5U	5U	5U	5U
1,2-Dichloroethylene	540-59-0	5U	5U	5U	5U	5U	5U	5U
1,2-Dichloropropane	78-87-5	5U	5U	5U	5U	5U	5U	5U
2-Butanone	78-93-3	11U	10R	11R	11R	11R	10U	10R
2-Hexanone	591-78-6	11U	10U	11U	11U	11U	10R	10U
4-Methyl-2-pentanone	108-10-1	11U	10U	11U	11U	11U	10U	10U
Acetone	67-64-1	11U	45UJ	40UJ	5UJ	11UJ	10U	10UJ
Benzene	71-43-2	5U	5U	5U	5U	5U	5U	5U
Bromodichloromethane	75-27-4	5U	5U	5U	5U	5U	5U	5U
Bromotom	75-25-2	5U	5U	5U	5U	5U	5U	5U
Bromomethane	74-83-9	11U	10U	11U	11U	11U	10U	10U
Carbon disulfide	75-15-0	5U	5U	5U	5U	5U	5U	5U
Carbon Tetrachloride	56-23-5	5U	5U	5U	5U	5U	5U	5U
Chlorobenzene	108-90-7	5U	5U	5U	5U	5U	5U	5U
Chloroethane	75-00-3	11U	10U	11U	11U	11U	10U	10U
Chloroform	67-68-3	5U	5U	5U	5U	5U	5U	5U
Chloromethane	74-87-3	11U	10UJ	11UJ	11UJ	11UJ	10UJ	10UJ
cis-1,3-Dichloropropene	10081-01-1	5U	5U	5U	5U	5U	5U	5U
Dibromochloromethane	124-48-1	5U	5U	5U	5U	5U	5U	5U
Ethylbenzene	100-41-4	5U	5U	5U	5U	5U	5U	5U
Methylene chloride	75-09-2	5U	5UJ	16	5UJ	5UJ	5UJ	5UJ
Styrene	100-42-5	5U	5U	5U	5U	5U	5U	5U
Tetrachlorethene	127-18-4	5U	5U	5U	5U	5U	5U	5U
Toluene	108-88-3	2J	5U	21	5U	2J	5U	3J
trans-1,3-Dichloropropene	10081-02-1	5R	5U	5U	5U	5U	5U	5U
Trichloroethene	79-01-6	5U	5U	5U	5U	5U	5U	5U
Vinyl Acetate	108-05-4	11R	10U	11U	11U	11U	10U	10U
Vinyl chloride	75-01-4	11U	10U	11U	11U	11U	10U	10U
Total xylenes	1330-20-7	5U	5U	150	5U	2J	5U	5U
TPH		30000	10000 U	10000 U	48000	50000	10000 U	140000

U = Compound not detected
J = Estimated value
E = Estimated concentration above calibration range
R = Result rejected in validation

U = Compound not detected
J = Estimated value
E = Estimated concentration above calibration range
R = Result rejected in validation

APPENDIX L
RESULTS OF VOAs IN SOIL
161 AREFG SITE INVESTIGATION
PHOENIX, ARIZONA

Sample Number:	SC-MW4-02-01A	SC-PP1-01A	MB5-01-0-2-01	MB5-01-5-7-01	MB5-01-70-72-01
Sample Date:	16-Apr-91	16-Apr-91	07-Feb-91	07-Feb-91	07-Feb-91
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL
Lab Number:	BB3501	BB3504	C102108-01A	C102108-02A	C102108-03A
Analysis Date:	25-Apr-91	25-Apr-91	16-Feb-91	16-Feb-91	16-Feb-91
Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND NAME	CAS NUMBER	5 U	5 U	5 R	5 R
1,1,1-Trichloroethane	71-55-6	5 U	5 U	5 R	5 R
1,1,2,2-Tetrachloroethane	79-34-5	5 U	5 U	5 R	5 R
1,1,2-Trichloroethane	79-00-5	5 U	5 U	5 U	5 U
1,1-Dichloroethane	75-34-3	5 U	5 U	5 U	5 U
1,1-Dichloroethane	75-35-4	5 U	5 U	5 U	5 U
1,2-Dichloroethane	107-06-2	5 U	5 U	5 U	5 U
1,2-Dichloroethane	540-58-0	5 U	5 U	5 U	5 U
1,2-Dichloropropane	78-87-5	5 U	5 U	5 U	5 U
2-Butanone	78-83-3	10 U	10 U	10 U	10 U
2-Hexanone	591-78-6	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone	108-10-1	10 U	10 U	10 U	10 U
Acetone	67-64-1	10 U	10 U	10 J	10 U
Benzene	71-43-2	5 U	5 U	5 U	5 U
Bromodichloromethane	75-27-4	5 U	5 U	5 R	5 R
Bromotom	75-25-2	5 U	5 U	5 U	5 U
Bromomethane	74-83-9	10 U	10 U	10 U	10 U
Carbon disulfide	75-15-0	5 U	5 U	5 U	5 U
Carbon Tetrachloride	56-23-5	5 U	5 U	5 R	5 R
Chlorobenzene	108-90-7	5 U	5 U	5 U	5 U
Chloroethane	75-00-3	10 U	10 U	10 U	10 U
Chlorotom	67-66-3	5 U	5 U	5 U	5 U
Chloromethane	74-87-3	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	10081-01-5	5 U	5 U	5 U	5 U
Dibromochloromethane	124-48-1	5 U	5 U	5 U	5 U
Ethylbenzene	100-41-4	5 U	5 U	5 U	5 U
Methylene chloride	75-08-2	5 U	5 U	7 U	8 U
Styrene	100-42-5	5 U	5 U	5 U	5 U
Tetrachloroethane	127-18-4	5 U	5 U	5 U	5 U
Toluene	108-88-3	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	10081-02-6	5 U	5 U	5 U	5 U
Trichloroethane	79-01-6	5 U	5 U	5 U	5 U
Vinyl Acetate	108-05-4	10 U	10 U	10 U	10 U
Vinyl chloride	75-01-4	10 U	10 U	10 U	10 U
Total xylenes	1330-20-7	5 U	5 U	5 U	5 U
TPH		10000 U	10000 U	10000 U	10000 U

REV. 10-84 101

U = Compound not detected
J = Estimated value
E = Estimated concentration above calibration range
R = Result rejected in validation

APPENDIX L
RESULTS OF VOAs IN SOIL
161 AREFG SITE INVESTIGATION
PHOENIX, ARIZONA

Sample Number:	MBS-04-0-2-01	MBS-04-15-16 1/2-0	MBS-04-08-01	SC-PS1-1	SC-PS2-1	SC-PS3-1
Sample Date:	21-Mar-91	21-Mar-91	21-Mar-91	22-Mar-91	22-Mar-91	22-Mar-91
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Lab Number:	C103195-01A	C103195-02A	C103195-04A	C103213-01A	C103213-02A	C103213-03A
Analysis Date:	23-Mar-91	23-Mar-91	23-Mar-91	26-Mar-91	26-Mar-91	26-Mar-91
Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND NAME	CAS NUMBER	5U	5U	5U	5U	5U
1,1,1-Trichloroethane	71-55-6	5U	5U	5U	5U	5U
1,1,2,2-Tetrachloroethane	79-34-5	5U	5U	5U	5U	5U
1,1,2-Trichloroethane	79-00-5	5U	5U	5U	5U	5U
1,1-Dichloroethane	75-34-3	5U	5U	5U	5U	5U
1,1-Dichloroethane	75-35-4	5U	5U	5U	5U	5U
1,2-Dichloroethane	107-06-2	5U	5U	5R	5R	5R
1,2-Dichloroethylene	540-59-0	5U	5U	5U	5U	5U
1,2-Dichloropropane	78-87-5	5U	5U	5U	5U	5U
2-Butanone	78-83-3	11U	11U	10U	10U	10U
2-Hexanone	591-78-6	11U	11U	10U	10U	10U
4-Methyl-2-pentanone	108-10-1	11U	11U	10U	10U	10U
Acetone	67-64-1	11U	11U	10U	10U	10U
Benzene	71-43-2	6U	5J	5U	5U	5U
Bromodichloromethane	75-27-4	6U	5U	5U	5U	5U
Bromoform	75-25-2	6U	5U	5U	5U	5U
Bromomethane	74-83-9	11U	11U	10U	10U	10U
Carbon disulfide	75-15-0	6R	5R	5U	5U	5U
Carbon Tetrachloride	56-23-5	6U	5U	5U	5U	5U
Chlorobenzene	108-90-7	6U	5U	5U	5U	5U
Chloroethane	75-00-3	11U	11U	10U	10U	10U
Chloroform	67-68-3	6U	5U	5U	5U	5U
Chloromethane	74-87-3	11U	11U	10U	10U	10U
cis-1,3-Dichloropropene	10081-01-	6U	5U	5R	5R	5R
Dibromochloromethane	124-48-1	6U	5U	5U	5U	5U
Ethylbenzene	100-41-4	6U	5U	5U	5U	5U
Methylene chloride	75-09-2	7U	80	5U	5U	5U
Styrene	100-42-5	6U	6U	5U	6U	6U
Tetrachlorethene	127-18-4	6U	5U	5U	5U	5U
Toluene	108-88-3	6U	26	5U	5U	5U
trans-1,3-Dichloropropene	10081-02-	6U	5U	5R	5R	5R
Trichloroethene	79-01-6	6U	5U	5U	5U	5U
Vinyl Acetate	108-05-4	11U	11U	10R	10R	10R
Vinyl chloride	75-01-4	11U	10U	10U	10U	10U
Total xylenes	1330-20-7	6U	190	5U	5U	5U
TPH		35000	10000 U	10000 U	10000 U	10000 U

8000-1000-1001

U = Compound not detected
J = Estimated value
E = Estimated concentration above calibration range
R = Result rejected in validation

APPENDIX L
RESULTS OF VOAs IN SOIL
161 AREFG SITE INVESTIGATION
PHOENIX, ARIZONA

Sample Number:	881-04-0-2-01	881-04-10-12-01	881-04-55-57-01	881-04-55-57-02	881-05-0-1/01
Sample Date:	21-Jan-91	21-Jan-91	21-Jan-91	21-Jan-91	18-Jan-91
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL
Lab Number:	C101211-01A	C101211-02A	C101211-03A	C101211-04A	C101197-01A
Analysis Date:	25-Jan-91	24-Jan-91	24-Jan-91	24-Jan-91	22-Jan-91
Units:	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
COMPOUND NAME	CAS NUMBER				
1,1,1-Trichloroethane	71-55-6	5 U	5 U	6 U	5 U
1,1,2,2-Tetrachloroethane	79-34-5	5 U	5 U	6 U	5 U
1,1,2-Trichloroethane	79-00-5	5 U	5 U	6 U	5 U
1,1-Dichloroethane	75-34-3	5 U	5 U	6 U	5 U
1,1-Dichloroethane	75-35-4	5 U	5 U	6 U	5 U
1,2-Dichloroethane	107-06-2	5 U	5 U	6 U	5 U
1,2-Dichloroethylene	540-59-0	5 U	5 U	6 U	5 U
1,2-Dichloropropane	78-87-5	5 U	5 U	6 U	5 R
2-Butanone	78-83-3	11 U	11 U	13 U	5 U
2-Hexanone	591-78-6	11 U	11 U	13 U	11 U
4-Methyl-2-pentanone	108-10-1	11 U	11 U	13 U	11 U
Acetone	67-64-1	20	12 U	12 U	12 U
Benzene	71-43-2	5 U	5 U	6 U	5 U
Bromodichloromethane	75-27-4	5 U	5 U	6 U	5 U
Bromoform	75-25-2	5 U	5 U	6 U	5 U
Bromomethane	74-83-9	11 U	11 U	13 U	11 U
Carbon disulfide	75-15-0	5 U	5 U	6 U	5 U
Carbon Tetrachloride	56-23-5	5 U	5 U	6 U	5 U
Chlorobenzene	108-90-7	5 U	5 U	6 U	5 U
Chloroethane	75-00-3	11 U	11 U	13 U	11 U
Chloroform	67-66-3	5 U	5 U	6 U	5 U
Chloromethane	74-87-3	11 U	11 U	13 U	11 U
cis-1,3-Dichloropropene	10061-01-	5 U	5 U	6 U	5 U
Dibromochloromethane	124-48-1	5 U	5 U	6 U	5 U
Ethylbenzene	100-41-4	5 U	5 U	6 U	5 U
Methylene chloride	75-09-2	14 U	15 U	21 U	7 U
Styrene	100-42-5	5 U	5 U	6 U	5 U
Tetrachloroethane	127-18-4	5 U	5 U	6 U	5 U
Toluene	108-88-3	5 U	5 U	6 U	5 U
trans-1,3-Dichloropropene	10061-02-	5 U	5 U	6 U	5 U
Trichloroethane	79-01-6	5 U	5 U	6 U	5 U
Vinyl Acetate	108-05-4	11 U	11 U	13 U	11 U
Vinyl chloride	75-01-4	11 U	11 U	13 U	11 U
Total xylenes	1330-20-7	5 U	5 U	6 U	5 U
TPH		33000	10000 U	10000 U	10000 U

U = Compound not detected
J = Estimated value
E = Estimated concentration above calibration range
R = Result rejected in validation

APPENDIX L
RESULTS OF VOAs IN SOIL
161 AREFG SITE INVESTIGATION
PHOENIX, ARIZONA

Sample Number:	SB1-05-30-35/01	SB1-05-65-70/01	MB1-02-0-2-01	MB1-02-0-2-02	MB1-02-35-37-01	MB1-02-75-77-01
Sample Date:	18-Jan-91	18-Jan-91	28-Jan-91	28-Jan-91	28-Jan-91	28-Jan-91
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Lab Number:	C101197-06A	C101197-10A	C101292-01A	C101292-02A	C101292-03A	C101292-05A
Analysis Date:	22-Jan-91	22-Jan-91	05-Feb-91	06-Feb-91	06-Feb-91	06-Feb-91
Units:	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
COMPOUND NAME	CAS NUMBER	5 U	5 U	5 U	5 U	5 U
1,1,1-Trichloroethane	71-55-6	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	79-34-5	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	79-00-5	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	75-34-3	5 U	5 R	5 U	5 U	5 U
1,1-Dichloroethane	75-35-4	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	107-06-2	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethylene	540-59-0	5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropene	78-87-5	5 U	5 U	5 U	5 U	5 U
2-Butanone	78-83-3	10 R	11 U	10 U	10 U	10 U
2-Hexanone	591-78-6	10 U	11 U	10 U	10 U	10 U
4-Methyl-2-pentanone	108-10-1	10 U	11 U	10 U	10 U	10 U
Acetone	67-64-1	12 U	11 U	10 U	13	16
Benzene	71-43-2	5 U	5 U	5 U	5 U	5 U
Bromodichloromethane	75-27-4	5 U	5 U	5 U	5 U	5 U
Bromoform	75-25-2	5 U	5 U	5 U	5 U	5 U
Bromomethane	74-83-9	10 U	11 U	10 U	10 U	10 U
Carbon disulfide	75-15-0	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	56-23-5	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	108-90-7	5 U	5 U	5 U	5 U	5 U
Chloroethane	75-00-3	10 U	11 U	10 U	10 U	10 U
Chloroform	67-68-3	5 U	5 U	5 U	5 U	5 U
Chloromethane	74-87-3	10 U	11 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	10061-01-	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	124-48-1	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	100-41-4	5 U	5 U	5 U	5 U	5 U
Methylene chloride	75-09-2	11 U	8 U	8 U	8 U	8 U
Styrene	100-42-5	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	127-18-4	5 U	5 U	5 U	5 U	5 U
Toluene	108-88-3	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	10061-02-	5 U	5 U	5 U	5 U	5 U
Trichloroethene	79-01-6	5 U	5 U	5 U	5 U	5 U
Vinyl Acetate	108-05-4	10 U	11 U	10 U	10 U	10 U
Vinyl chloride	75-01-4	10 U	11 U	10 U	10 U	10 U
Total xylenes	1330-20-7	5 U	5 U	5 U	5 U	5 U
TPH		14000	10000 U	16000	10000 U	10000 U

U = Compound not detected
J = Estimated value
E = Estimated concentration above calibration range
R = Result rejected in validation

APPENDIX L
RESULTS OF VOAS IN SOIL
161 AREFG SITE INVESTIGATION
PHOENIX, ARIZONA

Sample Number:	882-04-55-57-01	882-04-70-72-01	MB2-02-0-2-01	MB2-02-30-32-01	MB2-02-70-72-01
Sample Date:	23-Jan-91	23-Jan-91	06-Feb-91	06-Feb-91	06-Feb-91
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL
Lab Number:	C101230-01A	C101230-02A	C102089-01A	C102089-03A	C102089-04A
Analyte Date:	28-Jan-91	28-Jan-91	13-Feb-91	13-Feb-91	13-Feb-91
Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND NAME	CAS NUMBER	6 U	6 U	6 U	5 U
1,1,1-Trichloroethane	71-55-6	6 U	6 U	6 U	5 U
1,1,2,2-Tetrachloroethane	79-34-5	6 U	6 U	6 U	5 U
1,1,2-Trichloroethane	79-00-5	6 U	6 U	6 U	5 U
1,1-Dichloroethane	75-34-3	6 U	6 U	6 U	5 U
1,1-Dichloroethane	75-36-4	6 U	6 U	6 U	5 U
1,2-Dichloroethane	107-06-2	6 U	6 U	6 U	5 U
1,2-Dichloroethylene	540-59-0	6 U	6 U	6 U	5 U
1,2-Dichloropropane	78-67-5	6 U	6 U	6 U	5 U
2-Butanone	78-93-3	11 U	11 U	10 U	11 U
2-Hexanone	591-78-6	11 U	11 U	10 U	11 U
4-Methyl-2-pentanone	108-10-1	11 U	11 U	10 U	11 U
Acetone	67-64-1	17	10 U	8 R	11 R
Benzene	71-43-2	6 U	6 U	6 U	5 U
Bromodichloromethane	75-27-4	6 U	6 U	6 U	5 U
Bromotom	75-25-2	6 U	6 U	6 U	5 U
Bromomethane	74-83-9	11 U	11 U	10 U	11 U
Carbon disulfide	75-15-0	6 U	6 U	6 U	5 U
Carbon Tetrachloride	56-23-5	6 U	6 U	6 U	5 U
Chlorobenzene	108-90-7	6 U	6 U	6 U	5 U
Chloroethane	75-00-3	11 U	11 U	10 U	11 U
Chloroform	67-68-3	6 U	6 U	6 U	5 U
Chloromethane	74-87-3	11 U	11 U	10 U	11 U
cis-1,3-Dichloropropene	10081-01-1	6 U	6 U	6 U	5 U
Dibromochloromethane	124-48-1	6 U	6 U	6 U	5 U
Ethylbenzene	100-41-4	6 U	6 U	6 U	5 U
Methylene chloride	75-08-2	8 U	8 U	12 U	12 U
Styrene	100-42-5	6 U	6 U	6 U	5 U
Tetrachloroethane	127-18-4	6 U	6 U	6 U	5 U
Toluene	108-88-3	6 U	6 U	6 U	5 U
trans-1,3-Dichloropropene	10081-02-1	6 U	6 U	6 U	5 U
Trichloroethane	79-01-6	6 U	6 U	6 U	5 U
Vinyl Acetate	108-05-4	11 U	11 U	10 U	11 U
Vinyl chloride	75-01-4	11 U	11 U	10 U	11 U
Total xylenes	1330-20-7	6 U	6 U	6 U	5 U
TPH		10000 U	30000	10000 U	10000 U

U = Compound not detected
 J = Estimated value
 E = Estimated concentration above calibration range
 R = Result rejected in validation

APPENDIX L
RESULTS OF VOAS IN SOIL
161 AREFG SITE INVESTIGATION
PHOENIX, ARIZONA

Sample Number:	SB3-04-15-16 1/2-01 SB3-04-5-6 1/2-01	SB3-01-0-1 1/2-01	MB3-01-50-51 1/2-01 MB3-01-60-61 1/2-01 MB3-02-0-1 1/2-01	MB3-02-5-6 1/2-01
Sample Date:	24-Mar-91	22-Mar-91	22-Mar-91	23-Mar-91
Matrix:	SOIL	SOIL	SOIL	SOIL
Lab Number:	C103220-13A	C103212-01A	C103212-02A	C103220-01A
Analysis Date:	27-Mar-91	26-Mar-91	26-Mar-91	26-Mar-91
Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND NAME	CAS NUMBER	6U	6U	5U
1,1,1-Trichloroethane	71-55-6	5U	5U	5U
1,1,2,2-Tetrachloroethane	79-34-5	5U	5U	5U
1,1,2-Trichloroethane	79-00-5	5U	5U	5U
1,1-Dichloroethane	75-34-3	5U	5U	5U
1,1-Dichloroethane	75-35-4	5U	5U	5U
1,2-Dichloroethane	107-06-2	5R	5U	5R
1,2-Dichloroethylene	540-59-0	5U	5U	5U
1,2-Dichloropropane	78-87-5	5U	5U	5U
2-Butanone	78-83-3	10U	12U	11U
2-Hexanone	591-78-6	10U	12U	11U
4-Methyl-2-pentanone	108-10-1	10U	12U	11U
Acetone	67-64-1	10U	12U	11U
Benzene	71-43-2	5U	6U	5U
Bromodichloromethane	75-27-4	5U	6U	5U
Bromochloromethane	75-25-2	5U	6U	5U
Bromomethane	74-83-9	10U	12U	11U
Carbon disulfide	75-15-0	5U	6R	5U
Carbon Tetrachloride	56-23-5	5U	6U	5U
Chlorobenzene	108-90-7	5U	6U	5U
Chloroethane	75-00-3	10U	12U	11U
Chloroform	67-66-3	5U	6U	5U
Chloromethane	74-87-3	10U	12U	11U
cis-1,3-Dichloropropene	10081-01-1	5U	6U	5U
Dibromochloromethane	124-48-1	5U	6U	5U
Ethylbenzene	100-41-4	5U	6U	5U
Methylene chloride	75-09-2	5U	9U	5U
Styrene	100-42-5	5U	6U	5U
Tetrachloroethane	127-18-4	5U	6U	5U
Toluene	108-88-3	5U	1J	5U
trans-1,3-Dichloropropene	10081-02-1	5R	6U	5R
Trichloroethane	79-01-6	5U	6U	5U
Vinyl Acetate	108-05-4	10R	12U	11R
Vinyl chloride	75-01-4	10U	12U	11U
Total xylenes	1330-20-7	5U	6U	5U
TPH		10000 U	10000 U	10000 U

U = Compound not detected
J = Estimated value
E = Estimated concentration above calibration range
R = Result rejected in validation

APPENDIX L

RESULTS OF SVOAs IN SOIL 161AREFG SITE INVESTIGATION PHOENIX, ARIZONA

Sample Number:	MBS-01-0-2-01	MBS-01-60-62-01	MBS-02-0-2-01	MBS-02-10-12-01	MBS-02-5-7-01
Sample Date:	29-Jan-91	29-Jan-91	31-Jan-91	31-Jan-91	31-Jan-91
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL
Lab Number:	C101318-01A	C101318-04A	C102008-01A	C102008-05A	C102008-03A
Prep Date:	06-Feb-91	06-Feb-91	10-Feb-91	10-Feb-91	10-Feb-91
Analysis Date:	13-Feb-91	12-Feb-91	20-Feb-91	15-Feb-91	20-Feb-91
Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND NAME	CAS NUMBER	360 U	360 U	410 U	3400 U
1,2,4-Trichlorobenzene	120-82-1	360 U	360 U	410 U	3400 U
1,2-Dichlorobenzene	95-50-1	360 U	360 U	410 U	3400 U
1,3-Dichlorobenzene	541-73-1	360 U	360 U	410 U	3400 U
1,4-Dichlorobenzene	106-46-7	360 U	360 U	410 U	3400 U
2,4,5-Trichlorophenol	95-95-4	1800 U	1800 U	2000 U	16000 U
2,4,6-Trichlorophenol	88-06-2	360 U	360 U	410 U	3400 U
2,4-Dichlorophenol	120-83-2	360 U	360 U	410 U	3400 U
2,4-Dimethylphenol	105-67-9	360 U	360 U	410 U	3400 U
2,4-Dinitrophenol	51-28-5	1800 U	1800 U	2000 U	16000 UJ
2,4-Dinitrotoluene	121-14-2	360 U	360 U	410 U	3400 U
2,6-Dinitrotoluene	606-20-2	360 U	360 U	410 U	3400 U
2-Chloronaphthalene	91-58-7	360 U	360 U	410 U	3400 U
2-Chlorophenol	95-57-8	360 U	360 U	410 U	3400 U
2-Methylnaphthalene	91-57-6	360 U	360 U	410 U	3400 U
2-Methylphenol	95-48-7	360 U	360 U	410 U	3400 U
2-Nitroaniline	88-74-4	1800 U	1800 U	2000 U	16000 U
2-Nitrophenol	88-75-5	360 U	360 U	410 U	3400 U
3,3'-Dichlorobenzidine	91-94-1	730 U	730 R	820 U	6700 UJ
3-Nitroaniline	99-09-2	1800 UJ	1800 U	2000 R	16000 U
4,6-Dinitro-2-methylphenol	534-52-1	1800 U	1800 UJ	2000 U	16000 UJ
4-Bromophenyl phenyl ether	101-55-3	360 U	360 U	410 U	3400 U
4-Chloroaniline	106-47-8	360 UJ	360 U	410 R	3400 U
4-Chlorophenylphenyl ether	7005-72-6	360 U	360 U	410 U	3400 U
4-Chloro-3-methylphenol	59-50-7	360 U	360 U	410 U	3400 U
4-Methylphenol	106-44-5	360 U	360 U	410 U	3400 U
4-Nitroaniline	100-01-6	1800 R	1800 R	2000 U	16000 U
4-Nitrophenol	100-02-7	1800 U	1800 U	2000 U	16000 U
Acenaphthene	83-32-9	360 U	360 U	410 U	3400 U
Acenaphthylene	208-96-8	360 U	360 U	410 U	3400 U
Anthracene	120-12-7	360 U	360 U	410 U	3400 U
Benzoic acid	65-85-0	1800 R	1800 R	2000 R	16000 UJ
Benzo(a)anthracene	56-55-3	360 U	360 U	410 U	3400 U

SOILS USE ONLY

APPENDIX L
RESULTS OF SVOAs IN SOIL
161AREFG SITE INVESTIGATION
PHOENIX, ARIZONA

2

Sample Number: MBS-03-0-2-01 MBS-03-5-7-01 MBS-04-0-2-01 MBS-04-15-16 1/2-0 MBS-04-99-01
Sample Date: 30-Jan-91 30-Jan-91 21-Mar-91 21-Mar-91
Matrix: SOIL SOIL SOIL SOIL
Lab Number: C101326-01A C101326-03A C103195-01A C103195-02A
Prep Date: 10-Feb-91 10-Feb-91 23-Mar-91 23-Mar-91
Analysis Date: 15-Feb-91 15-Feb-91 01-Apr-91 05-Apr-91
Units: ug/Kg ug/Kg ug/Kg ug/Kg

**COMPOUND
NAME**

**CAS
NUMBER**

1,2,4-Trichlorobenzene	120-82-1	350 U	350 U	370 U	370 U	690 U
1,2-Dichlorobenzene	95-50-1	350 U	350 U	370 U	370 U	690 U
1,3-Dichlorobenzene	541-73-1	350 U	350 U	370 U	370 U	690 U
1,4-Dichlorobenzene	106-46-7	350 U	350 U	370 U	370 U	690 U
2,4,5-Trichlorophenol	95-95-4	1700 U	1700 U	1800 U	1800 U	3400 U
2,4,6-Trichlorophenol	88-06-2	350 U	350 U	370 U	370 U	690 U
2,4-Dichlorophenol	120-83-2	350 U	350 U	370 U	370 U	690 U
2,4-Dimethylphenol	105-67-9	350 U	350 U	370 U	370 U	690 U
2,4-Dinitrophenol	51-28-5	1700 U	1700 U	1800 U	1800 U	3400 U
2,4-Dinitrotoluene	121-14-2	350 U	350 U	370 U	370 U	690 U
2,6-Dinitrotoluene	606-20-2	350 U	350 U	370 U	370 U	690 U
2-Chloronaphthalene	91-58-7	350 U	350 U	370 U	370 U	690 U
2-Chlorophenol	95-57-8	350 U	350 U	370 U	370 U	690 U
2-Methylnaphthalene	91-57-6	350 U	350 U	370 U	370 U	490 J
2-Methylphenol	95-48-7	350 U	350 U	370 U	370 U	690 U
2-Nitroaniline	88-74-4	1700 U	1700 U	1800 U	1800 U	3400 U
2-Nitrophenol	88-75-5	350 U	350 U	370 U	370 U	690 U
3,3'-Dichlorobenzidine	91-94-1	700 U	710 U	750 U	750 U	1400 UJ
3-Nitroaniline	99-09-2	1700 R	1700 R	1800 U	1800 U	3400 U
4,6-Dinitro-2-methylphenol	534-52-1	1700 U	1700 U	1800 U	1800 U	3400 U
4-Bromophenyl phenyl ether	101-55-3	350 U	350 U	370 U	370 U	690 U
4-Chloroaniline	106-47-8	350 U	350 U	370 U	370 U	690 UJ
4-Chlorophenylphenyl ether	7005-72-5	350 U	350 U	370 U	370 U	690 U
4-Chloro-3-methylphenol	59-50-7	350 U	350 U	370 U	370 U	690 U
4-Methylphenol	106-44-5	350 U	350 U	370 U	370 U	690 U
4-Nitroaniline	100-01-6	1700 U	1700 U	1800 U	1800 U	3400 R
4-Nitrophenol	100-02-7	1700 U	1700 U	1800 U	1800 U	3400 U
Acenaphthene	83-32-9	350 U	350 U	370 U	370 U	690 U
Acenaphthylene	208-96-8	350 U	350 U	370 U	370 U	690 U
Anthracene	120-12-7	350 U	350 U	370 U	370 U	690 U
Benzoic acid	65-85-0	1700 R	1700 R	1800 U	1800 U	3400 U
Benzo(a)anthracene	56-55-3	350 U	350 U	370 U	370 U	690 U

NOT FOR RELEASE

APPENDIX L
RESULTS OF SVOAs IN SOIL
161AREFG SITE INVESTIGATION
PHOENIX, ARIZONA

3

Sample Number:		MBS-01-0-2-01	MBS-01-60-62-01	MBS-02-0-2-01	MBS-02-10-12-01	MBS-02-5-7-01
Sample Date:		29-Jan-91	29-Jan-91	31-Jan-91	31-Jan-91	31-Jan-91
Matrix:		SOIL	SOIL	SOIL	SOIL	SOIL
Lab Number:		C101318-01A	C101318-04A	C102008-01A	C102008-05A	C102008-03A
Prep Date:		06-Feb-91	08-Feb-91	10-Feb-91	10-Feb-91	10-Feb-91
Analysis Date:		13-Feb-91	12-Feb-91	20-Feb-91	15-Feb-91	20-Feb-91
Units:		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND NAME	CAS NUMBER					
Benzo(a)pyrene	50-32-8	360 U	360 U	3400 U	410 U	3400 U
Benzo(b)fluoranthene	205-99-2	360 U	360 U	3400 U	410 U	3400 U
Benzo(g,h,i)perylene	191-24-2	360 U	360 U	3400 U	410 U	3400 U
Benzo(k)fluoranthene	207-08-9	360 U	360 U	3400 U	410 U	3400 U
Benzyl alcohol	100-51-6	360 U	360 U	3400 U	410 U	3400 U
bis(2-Chloroethoxy)methane	111-91-1	360 U	360 U	3400 U	410 U	3400 U
bis(2-Chloroethyl)ether	111-44-4	360 R	360 U	3400 U	410 U	3400 U
bis(2-Chloroisopropyl) ether	108-60-1	360 U	360 U	3400 U	410 U	3400 U
bis(2-Ethylhexyl) phthalate	117-81-7	360 U	360 U	3400 U	410 U	3400 U
Butyl benzyl phthalate	85-68-7	360 U	360 U	3400 U	410 U	3400 U
Chrysene	218-01-9	360 U	360 U	3400 U	410 U	3400 U
Dibenzofuran	132-64-9	360 U	360 U	3400 U	410 U	3400 U
Dibenzo(a,h)anthracene	53-70-3	360 U	360 U	3400 U	410 U	3400 U
Diethyl phthalate	84-66-2	360 U	360 U	3400 U	410 U	3400 U
Dimethyl phthalate	131-11-3	360 U	360 U	3400 U	410 U	3400 U
Di-n-butyl phthalate	84-74-2	360 U	360 U	3400 U	410 U	3400 U
Di-n-octyl phthalate	117-84-0	360 U	360 U	3400 U	410 U	3400 U
Fluoranthene	206-44-0	360 U	360 U	3400 U	410 U	3400 U
Fluorene	86-73-7	360 U	360 U	3400 U	410 U	3400 U
Hexachlorobenzene	118-74-1	360 U	360 U	3400 U	410 U	3400 U
Hexachlorobutadiene	87-68-3	360 U	360 U	3400 U	410 U	3400 U
Hexachlorocyclopentadiene	77-47-4	360 U	360 U	3400 U	410 U	3400 U
Hexachloroethane	67-72-1	360 U	360 U	3400 U	410 U	3400 U
Indeno(1,2,3-cd)pyrene	193-39-5	360 U	360 U	3400 U	410 U	3400 U
Isophorone	78-59-1	360 U	360 U	3400 U	410 U	3400 U
Naphthalene	91-20-3	360 U	360 U	3400 U	410 U	3400 U
Nitrobenzene	98-95-3	360 U	360 U	3400 U	410 U	3400 U
N-Nitrosodiphenylamine	86-30-6	360 U	360 U	3400 U	410 U	3400 U
N-Nitroso-di-n-propylamine	621-64-7	360 U	360 U	3400 U	410 U	3400 U
Pentachlorophenol	87-86-5	1800 U	1800 U	16000 U	2000 U	16000 U
Phenanthrene	85-01-8	360 U	360 U	3400 U	410 U	3400 U
Phenol	105-95-2	360 U	360 U	3400 U	410 U	3400 U
Pyrene	129-00-0	360 U	360 U	3400 U	410 U	3400 U

SOILAN WS 10

APPENDIX L
RESULTS OF SVOAs IN SOIL
161AREFG SITE INVESTIGATION
PHOENIX, ARIZONA

4

Sample Number:		MBS-03-0-2-01	MBS-03-5-7-01	MBS-04-0-2-01	MBS-04-15-16 1/2-01MBS-04-99-01
Sample Date:		30-Jan-91	30-Jan-91	21-Mar-91	21-Mar-91
Matrix:		SOIL	SOIL	SOIL	SOIL
Lab Number:		C101326-01A	C101326-03A	C103195-01A	C103195-04A
Prep Date:		10-Feb-91	10-Feb-91	23-Mar-91	23-Mar-91
Analysis Date:		15-Feb-91	15-Feb-91	01-Apr-91	05-Apr-91
Units:		ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND NAME	CAS NUMBER				
Benzo(a)pyrene	50-32-8	350 U	350 U	370 U	690 U
Benzo(b)fluoranthene	205-99-2	350 U	350 U	370 U	690 U
Benzo(g,h,i)perylene	191-24-2	350 U	350 U	370 U	690 U
Benzo(k)fluoranthene	207-08-9	350 U	350 U	370 U	690 U
Benzyl alcohol	100-51-6	350 U	350 U	370 U	690 U
bis(2-Chloroethoxy)methane	111-91-1	350 U	350 U	370 U	690 U
bis(2-Chloroethyl) ether	111-44-4	350 U	350 U	370 U	690 U
bis(2-Chloroisopropyl) ether	108-60-1	350 U	350 U	370 U	690 U
bis(2-Ethylhexyl) phthalate	117-81-7	350 U	350 U	370 U	690 U
Butyl benzyl phthalate	85-68-7	350 U	350 U	370 U	690 U
Chrysene	218-01-9	350 U	350 U	370 U	690 U
Dibenzofuran	132-64-9	350 U	350 U	370 U	690 U
Dibenzo(e,h)anthracene	53-70-3	350 U	350 U	370 U	690 U
Diyl phthalate	84-66-2	350 U	350 U	370 U	690 U
Dimethyl phthalate	131-11-3	350 U	350 U	370 U	690 U
Di-n-butyl phthalate	84-74-2	350 U	350 U	370 U	690 U
Di-n-octyl phthalate	117-84-0	350 U	350 U	370 U	690 U
Fluoranthene	206-44-0	350 U	350 U	370 U	690 U
Fluorene	86-73-7	350 U	350 U	370 U	690 U
Hexachlorobenzene	118-74-1	350 U	350 U	370 U	690 U
Hexachlorobutadiene	87-68-3	350 U	350 U	370 U	690 U
Hexachlorocyclopentadiene	77-47-4	350 U	350 U	370 U	690 U
Hexachloroethane	67-72-1	350 U	350 U	370 U	690 U
Indeno(1,2,3-cd)pyrene	193-39-5	350 U	350 U	370 U	690 U
Isophorone	78-59-1	350 U	350 U	370 U	690 U
Naphthalene	91-20-3	350 U	350 U	370 U	110 J
Nitrobenzene	98-95-3	350 U	350 U	370 U	690 U
N-Nitrosodiphenylamine	86-30-6	350 U	350 U	370 U	690 U
N-Nitroso-di-n-propylamine	621-64-7	350 U	350 U	370 U	690 U
Pentachlorophenol	87-86-5	1700 U	1700 U	1800 U	3400 U
Phenanthrene	85-01-8	350 U	350 U	43 J	690 U
Phenol	108-95-2	350 U	350 U	370 U	690 U
Pyrene	129-00-0	350 U	350 U	53 J	690 U

NOT FOR RELEASE

APPENDIX L

RESULTS OF SVOAS IN SOIL 161AREFG SITE INVESTIGATION PHOENIX, ARIZONA

5

Sample Number:	S81-02-0-2-01	S81-03-0-2-01	S81-03-20-22-01	S81-03-35-37-01	S81-03-35-37-02	S81-03-55-57-01
Sample Date:	04-Feb-91	21-Jan-91	21-Jan-91	21-Jan-91	21-Jan-91	22-Jan-91
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Lab Number:	C102058-01A	C101211-05A	C101211-14A	C101211-08A	C101211-07A	C101215-01A
Prep Date:	10-Feb-91	25-Jan-91	29-Jan-91	25-Jan-91	25-Jan-91	29-Jan-91
Analysis Date:	15-Feb-91	29-Jan-91	30-Jan-91	29-Jan-91	29-Jan-91	30-Jan-91
Units:	ug/Kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/Kg
COMPOUND NAME	CAS NUMBER					
1,2,4-Trichlorobenzene	120-82-1	360 U	340 U	340 U	340 U	430 U
1,2-Dichlorobenzene	95-50-1	360 U	340 U	340 U	340 U	430 U
1,3-Dichlorobenzene	541-73-1	360 U	340 U	340 U	340 U	430 U
1,4-Dichlorobenzene	106-46-7	360 U	340 U	340 U	340 U	430 U
2,4,5-Trichlorophenol	95-95-4	1700 U	1600 U	1600 U	1600 U	2100 U
2,4,6-Trichlorophenol	88-06-2	360 U	340 U	340 U	340 U	430 U
2,4-Dichlorophenol	120-83-2	360 U	340 U	340 U	340 U	430 U
2,4-Dimethylphenol	105-67-9	360 U	340 U	340 U	340 U	430 U
2,4-Dinitrophenol	51-28-5	1700 U	1600 U	1600 U	1600 U	2100 U
2,4-Dinitrotoluene	121-14-2	360 U	340 U	340 U	340 U	430 U
2,6-Dinitrotoluene	608-20-2	360 U	340 U	340 U	340 U	430 U
2-Chloronaphthalene	91-58-7	360 U	340 U	340 U	340 U	430 U
2-Chlorophenol	95-57-8	360 U	340 U	340 U	340 U	430 U
2-Methylnaphthalene	91-57-6	360 U	340 U	340 U	340 U	430 U
2-Methylphenol	95-48-7	360 U	340 U	340 U	340 U	430 U
2-Nitroaniline	88-74-4	1700 U	1600 U	1600 U	1600 U	2100 U
2-Nitrophenol	88-75-5	360 U	340 U	340 U	340 U	430 U
3,3'-Dichlorobenzidine	91-94-1	720 U	680 U	680 U	670 U	880 U
3-Nitroaniline	99-09-2	1700 R	1700 UJ	1600 UJ	1600 UJ	2100 U
4,6-Dinitro-2-methylphenol	534-52-1	1700 U	1600 U	1600 U	1600 U	2100 U
4-Bromophenyl phenyl ether	101-55-3	360 U	340 U	340 U	340 U	430 U
4-Chloroaniline	106-47-8	360 R	340 U	340 U	340 U	430 U
4-Chlorophenylphenyl ether	7005-72-5	360 U	340 U	340 U	340 U	430 U
4-Chloro-3-methylphenol	59-50-7	360 U	340 U	340 U	340 U	430 U
4-Methylphenol	106-44-5	360 U	340 U	340 U	340 U	430 U
4-Nitroaniline	100-01-6	1700 U	1600 U	1600 R	1600 UJ	2100 U
4-Nitrophenol	100-02-7	1700 U	1600 U	1600 U	1600 U	2100 U
Acenaphthene	83-32-9	360 U	340 U	340 U	340 U	430 U
Acenaphthylene	208-96-8	360 U	340 U	340 U	340 U	430 U
Anthracene	120-12-7	360 U	340 U	340 U	340 U	430 U
Benzoic acid	65-85-0	1700 R	1600 U	1600 R	1600 R	2100 U
Benzo(a)anthracene	56-55-3	360 U	340 U	340 U	340 U	430 U

100-01-6

APPENDIX L
RESULTS OF SVOAS IN SOIL
161AREFG SITE INVESTIGATION
PHOENIX, ARIZONA

Sample Number:	SB1-03-55-57-02	SB1-04-0-2-01	SB1-04-10-12-01	SB1-04-55-57-01	SB1-04-55-57-02	SB1-05-0-1-01
Sample Date:	22-Jan-91	21-Jan-91	21-Jan-91	21-Jan-91	21-Jan-91	18-Jan-91
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Lab Number:	C101215-02A	C101211-01A	C101211-02A	C101211-03A	C101211-04A	C101197-01A
Prep Date:	29-Jan-91	25-Jan-91	25-Jan-91	25-Jan-91	25-Jan-91	25-Jan-91
Analysis Date:	29-Jan-91	29-Jan-91	29-Jan-91	29-Jan-91	29-Jan-91	28-Jan-91
Units:	ug/Kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
COMPOUND NAME	CAS NUMBER	390 U	3500 U	350 U	360 U	360 U
1,2,4-Trichlorobenzene	120-82-1 U	390 U	3500 U	350 U	360 U	360 U
1,2-Dichlorobenzene	95-50-1 U	390 U	3500 U	350 U	360 U	360 U
1,3-Dichlorobenzene	541-73-1 U	390 U	3500 U	350 U	360 U	360 U
1,4-Dichlorobenzene	106-46-7 U	390 U	3500 U	350 U	360 U	360 U
2,4,5-Trichlorophenol	95-95-4 U	1900 U	17000 U	1700 U	1800 U	1700 U
2,4,6-Trichlorophenol	88-06-2 U	390 U	3500 U	350 U	360 U	360 U
2,4-Dichlorophenol	120-83-2 U	390 U	3500 U	350 U	360 U	360 U
2,4-Dimethylphenol	105-67-9 U	390 U	3500 U	350 U	360 U	360 U
2,4-Dinitrophenol	51-28-5 U	1900 U	17000 U	1700 U	1800 U	1700 U
2,4-Dinitrotoluene	121-14-2 U	390 U	3500 U	350 U	360 U	360 U
2,6-Dinitrotoluene	606-20-2 U	390 U	3500 U	350 U	360 U	360 U
2-Chloronaphthalene	91-58-7 U	390 U	3500 U	350 U	360 U	360 U
2-Chlorophenol	95-57-8 U	390 U	3500 U	350 U	360 U	360 U
2-Methylnaphthalene	91-57-6 U	390 U	3500 U	350 U	360 U	360 U
2-Methylphenol	95-48-7 U	390 U	35 U	350 U	360 U	360 U
2-Nitroaniline	88-74-4 U	1900 U	17000 U	1700 U	1800 U	1700 U
2-Nitrophenol	88-75-5 U	390 U	3500 U	350 U	360 U	360 U
3,3'-Dichlorobenzidine	91-94-1 U	790 U	7000 U	690 U	730 U	720 U
3-Nitroaniline	99-08-2 U	1900 UJ	17000 UJ	1700 UJ	1800 UJ	1700 UJ
4,6-Dinitro-2-methylphenol	534-52-1 U	1900 U	17000 U	1700 U	1800 U	1700 U
4-Bromophenyl phenyl ether	101-55-3 U	390 U	3500 U	350 U	360 U	360 U
4-Chloroaniline	106-47-8 U	390 U	3500 U	350 U	360 U	360 UJ
4-Chlorophenylphenyl ether	7005-72-5J	390 U	3500 U	350 U	360 U	360 U
4-Chloro-3-methylphenol	59-50-7 U	390 U	3500 U	350 U	360 U	360 U
4-Methylphenol	106-44-5 U	390 U	3500 U	350 U	360 U	360 U
4-Nitroaniline	100-01-6 U	1900 UJ	17000 UJ	1700 R	1800 R	1700 U
4-Nitrophenol	100-02-7 U	1900 U	17000 U	1700 U	1800 U	1700 U
Acenaphthene	83-32-9 U	390 U	3500 U	350 U	360 U	360 U
Acenaphthylene	208-96-8 U	390 U	3500 U	350 U	360 U	360 U
Anthracene	120-12-7 U	390 U	3500 U	350 U	360 U	360 U
Benzol acid	65-85-0 U	1900 R	17000 R	1700 R	1800 R	1700 U
Benzo(e)anthracene	56-55-3 U	390 U	3500 U	350 U	360 U	360 U

APPENDIX L
RESULTS OF SVOAs IN SOIL
161AREFG SITE INVESTIGATION
PHOENIX, ARIZONA

Sample Number:	SB1-02-0-2-01	SB1-03-0-2-01	SB1-03-20-22-01	SB1-03-35-37-01	SB1-03-35-37-02	SB1-03-55-57-01
Sample Date:	04-Feb-91	21-Jan-91	21-Jan-91	21-Jan-91	21-Jan-91	22-Jan-91
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Lab Number:	C102058-01A	C101211-05A	C101211-14A	C101211-06A	C101211-07A	C101215-01A
Prep Date:	10-Feb-91	25-Jan-91	29-Jan-91	25-Jan-91	25-Jan-91	29-Jan-91
Analyte Date:	15-Feb-91	29-Jan-91	30-Jan-91	29-Jan-91	29-Jan-91	30-Jan-91
Units:	ug/Kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/Kg
COMPOUND NAME	CAS NUMBER	360 U	340 U	340 U	340 U	430 U
Benzo(a)pyrene	50-32-8	360 U	340 U	340 U	340 U	430 U
Benzo(b)fluoranthene	205-99-2	360 U	340 U	340 U	340 U	430 U
Benzo(g,h,i)perylene	191-24-2	360 U	340 U	340 U	340 U	430 U
Benzo(k)fluoranthene	207-08-9	360 U	340 U	340 U	340 U	430 U
Benzyl alcohol	100-51-6	360 U	340 U	340 U	340 U	430 U
bis(2-Chloroethoxy)methane	111-91-1	360 U	340 U	340 U	340 U	430 U
bis(2-Chloroethyl)ether	111-44-4	360 U	340 U	340 U	340 U	430 U
bis(2-Chloroisopropyl) ether	108-60-1	360 U	340 U	340 U	340 U	430 U
bis(2-Ethylhexyl) phthalate	117-81-7	360 U	340 U	340 U	340 U	430 U
Butyl benzyl phthalate	85-68-7	360 U	340 U	340 U	340 U	430 U
Chrysene	218-01-9	360 U	340 U	340 U	340 U	430 U
Dibenzofuran	132-64-9	360 U	340 U	340 U	340 U	430 U
Dibenzo(a,h)anthracene	53-70-3	360 U	340 U	340 U	340 U	430 U
Diethyl phthalate	84-68-2	360 U	340 U	340 U	340 U	430 U
Dimethyl phthalate	131-11-3	360 U	340 U	340 U	340 U	430 U
Di-n-butyl phthalate	84-74-2	360 U	340 U	340 U	340 U	430 U
Di-n-octyl phthalate	117-84-0	360 U	340 U	340 U	340 U	430 U
Fluoranthene	208-44-0	360 U	340 U	340 U	340 U	430 U
Fluorene	86-73-7	360 U	340 U	340 U	340 U	430 U
Hexachlorobenzene	118-74-1	360 U	340 U	340 U	340 U	430 U
Hexachlorobutadiene	87-68-3	360 U	340 U	340 U	340 U	430 U
Hexachlorocyclopentadiene	77-47-4	360 U	340 U	340 U	340 U	430 U
Hexachloroethane	67-72-1	360 U	340 U	340 U	340 U	430 U
Indeno(1,2,3-cd)pyrene	193-39-5	360 U	340 U	340 U	340 U	430 U
Isophorone	78-59-1	360 U	340 U	340 U	340 U	430 U
Naphthalene	91-20-3	360 U	340 U	340 U	340 U	430 U
Nitrobenzene	98-95-3	360 U	340 U	340 U	340 U	430 U
N-Nitrosodiphenylamine	86-30-6	360 U	340 U	340 U	340 U	430 U
N-Nitroso-d-n-propylamine	621-64-7	360 U	340 U	340 U	340 U	430 U
Pentachlorophenol	87-86-5	1700 U	1800 U	1800 U	1800 U	2100 U
Phenanthrene	85-01-8	360 U	340 U	340 U	340 U	430 U
Phenol	108-95-2	360 U	340 U	340 U	340 U	430 U
Pyrene	129-00-0	360 U	340 U	340 U	340 U	430 U

APPENDIX L
RESULTS OF SVOAS IN SOIL
161AREFG SITE INVESTIGATION
PHOENIX, ARIZONA

Sample Number:	S81-03-55-57-02	S81-04-0-2-01	S81-04-10-12-01	S81-04-55-57-01	S81-04-55-57-02	S81-05-0-1/01
Sample Date:	22-Jan-91	21-Jan-91	21-Jan-91	21-Jan-91	21-Jan-91	18-Jan-91
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Lab Number:	C101215-02A	C101211-01A	C101211-02A	C101211-03A	C101211-04A	C101197-01A
Prep Date:	28-Jan-91	25-Jan-91	25-Jan-91	25-Jan-91	25-Jan-91	25-Jan-91
Analyte Date:	29-Jan-91	29-Jan-91	29-Jan-91	29-Jan-91	29-Jan-91	28-Jan-91
Units:	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
COMPOUND NAME	CAS NUMBER	3500 U	350 U	360 U	420 U	360 U
Benzo(a)pyrene	50-32-8	390 U	3500 U	350 U	420 U	360 U
Benzo(b)fluoranthene	205-99-2	390 U	3500 U	350 U	420 U	360 U
Benzo(g,h,i)perylene	191-24-2	390 U	3500 U	350 U	420 U	360 U
Benzo(k)fluoranthene	207-08-9	390 U	3500 U	350 U	420 U	360 U
Benzyl alcohol	100-51-6	390 U	3500 U	350 U	420 U	360 U
bis(2-Chloroethoxy)methane	111-91-1	390 U	3500 U	350 U	420 U	360 U
bis(2-Chloroethylether	111-44-4	390 U	3500 U	350 U	420 U	360 U
bis(2-Chloroisopropyl) ether	108-60-1	390 U	3500 U	350 U	420 U	360 U
bis(2-Ethylhexyl) phthalate	117-81-7	390 U	3500 U	350 U	420 U	360 U
Butyl benzyl phthalate	85-68-7	390 U	3500 U	350 U	420 U	360 U
Chrysene	218-01-9	390 U	3500 U	350 U	420 U	360 U
Dibenzofuran	132-64-9	390 U	3500 U	350 U	420 U	360 U
Dibenzo(a,h)anthracene	53-70-3	390 U	3500 U	350 U	420 U	360 U
Diethyl phthalate	84-66-2	390 U	3500 U	350 U	420 U	360 U
Dimethyl phthalate	131-11-3	390 U	3500 U	350 U	420 U	360 U
Di-n-butyl phthalate	84-74-2	390 U	3500 U	350 U	420 U	360 U
Di-n-octyl phthalate	117-84-0	390 U	3500 U	350 U	420 U	360 U
Fluoranthene	206-44-0	390 U	3500 U	350 U	420 U	360 U
Fluorene	86-73-7	390 U	3500 U	350 U	420 U	360 U
Hexachlorobenzene	118-74-1	390 U	3500 U	350 U	420 U	360 U
Hexachlorobutadiene	87-68-3	390 U	3500 U	350 U	420 U	360 U
Hexachlorocyclopentadiene	77-47-4	390 U	3500 U	350 U	420 U	360 U
Hexachloroethane	67-72-1	390 U	3500 U	350 U	420 U	360 U
Indeno(1,2,3-cd)pyrene	193-39-5	390 U	3500 U	350 U	420 U	360 U
Isochlorone	78-59-1	390 U	3500 U	350 U	420 U	360 U
Naphthalene	91-20-3	390 U	3500 U	350 U	420 U	360 U
Nitrobenzene	98-95-3	390 U	3500 U	350 U	420 U	360 U
N-Nitrosodiphenylamine	98-30-6	390 U	3500 U	350 U	420 U	360 U
N-Nitroso-d-n-propylamine	621-64-7	390 U	3500 U	350 U	420 U	360 U
Pentachlorophenol	87-86-5	1900 U	17000 U	1700 U	2000 U	1700 U
Phenanthrene	85-01-8	390 U	3500 U	350 U	420 U	360 U
Phenol	108-95-2	390 U	3500 U	350 U	420 U	360 U
Pyrene	129-00-0	390 U	3500 U	350 U	420 U	360 U

APPENDIX L

RESULTS OF SVOAs IN SOIL 161AREFG SITE INVESTIGATION PHOENIX, ARIZONA

9

Sample Number:	S12-01-0-2-01	S82-01-55-57-01	S82-02-0-2-01	S82-02-10-12-01	S82-02-70-72-01	S82-04-0-2-01
Sample Date:	29-Jan-91	29-Jan-91	22-Jan-91	22-Jan-91	22-Jan-91	22-Jan-91
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Lab Number:	C101317-01A	C101317-02A	C101215-04A	C101215-08A	C101215-10A	C101215-11A
Prep Date:	08-Feb-91	08-Feb-91	29-Jan-91	29-Jan-91	29-Jan-91	01-Feb-91
Analysis Date:	13-Feb-91	13-Feb-91	29-Jan-91	29-Jan-91	30-Jan-91	05-Feb-91
Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg

COMPOUND NAME	CAS NUMBER	360 U	360 U	360 U	360 U	360 U
1,2,4-Trichlorobenzene	120-82-1	360 U	360 U	360 U	360 U	360 U
1,2-Dichlorobenzene	95-50-1	360 U	360 U	360 U	360 U	360 U
1,3-Dichlorobenzene	541-73-1	360 U	360 U	360 U	360 U	360 U
1,4-Dichlorobenzene	106-46-7	360 U	360 U	360 U	360 U	360 U
2,4,5-Trichlorophenol	95-95-4	1700 U	1700 U	1700 U	1700 U	1800 U
2,4,6-Trichlorophenol	88-08-2	360 U	360 U	360 U	360 U	360 U
2,4-Dichlorophenol	120-83-2	360 U	360 U	360 U	360 U	360 U
2,4-Dimethylphenol	105-67-9	360 U	360 U	360 U	360 U	360 U
2,4-Dinitrophenol	51-28-5	1700 U	1700 U	1700 U	1700 U	1800 U
2,4-Dinitrotoluene	121-14-2	360 U	360 U	360 U	360 U	360 U
2,6-Dinitrotoluene	606-20-2	360 U	360 U	360 U	360 U	360 U
2-Chloronaphthalene	91-58-7	360 U	360 U	360 U	360 U	360 U
2-Chlorophenol	95-57-8	360 U	360 U	360 U	360 U	360 U
2-Methylnaphthalene	91-57-6	360 U	360 U	360 U	360 U	360 U
2-Methylphenol	95-48-7	360 U	360 U	360 U	360 U	360 U
2-Nitroaniline	88-74-4	1700 U	1700 U	1700 U	1700 U	1800 U
2-Nitrophenol	88-75-5	360 U	360 U	360 U	360 U	360 U
3,3'-Dichlorobenzidine	91-94-1	720 U	720 U	770 U	690 U	760 U
3-Nitroaniline	99-09-2	1700 U	1700 U	1900 U	1700 U	1800 U
4,6-Dinitro-2-methylphenol	534-52-1	1700 U	1700 U	1900 U	1700 U	1800 U
4-Bromophenyl phenyl ether	101-55-3	360 U	360 U	360 U	360 U	360 U
4-Chloroaniline	106-47-8	360 U	360 U	360 U	360 U	360 U
4-Chlorophenylphenyl ether	7005-72-5	360 U	360 U	360 U	360 U	360 U
4-Chloro-3-methylphenol	59-50-7	360 U	360 U	360 U	360 U	360 U
4-Methylphenol	106-44-5	360 U	360 U	360 U	360 U	360 U
4-Nitroaniline	100-01-6	1700 R	1700 R	1900 U	1700 U	1800 U
4-Nitrophenol	100-02-7	1700 U	1700 U	1900 U	1700 U	1800 R
Acenaphthene	83-32-9	360 U	360 U	360 U	360 U	360 U
Acenaphthylene	206-96-8	360 U	360 U	360 U	360 U	360 U
Anthracene	120-12-7	360 U	360 U	360 U	360 U	360 U
Benzic acid	65-85-0	100 J	1700 R	1900 U	1700 U	1800 R
Benzo(a)anthracene	56-55-3	360 U	360 U	360 U	360 U	360 U

NO. 101 1023A

APPENDIX L

RESULTS OF SVOAS IN SOIL
161AREFG SITE INVESTIGATION
PHOENIX, ARIZONA

Sample Number:	S82-04-15-17-01	S82-04-55-57-01	S82-04-70-72-01	MB2-02-0-2-01	MB2-02-30-32-01	MB2-02-70-72-01
Sample Date:	22-Jan-91	23-Jan-91	23-Jan-91	08-Feb-91	08-Feb-91	08-Feb-91
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Lab Number:	C101215-03A	C101230-01A	C101230-02A	C102089-01A	C102089-03A	C102089-04A
Prep Date:	01-Feb-91	29-Jan-91	29-Jan-91	11-Mar-91	11-Mar-91	11-Mar-91
Analysis Date:	05-Feb-91	30-Jan-91	30-Jan-91	12-Mar-91	12-Mar-91	12-Mar-91
Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND NAME	CAS NUMBER	340 U	370 U	360 U	340 R	360 R
1,2,4-Trichlorobenzene	120-82-1	340 U	370 U	360 U	340 R	360 R
1,2-Dichlorobenzene	95-50-1	340 U	370 U	360 U	340 R	360 R
1,3-Dichlorobenzene	541-73-1	340 U	370 U	360 U	340 R	360 R
1,4-Dichlorobenzene	106-46-7	340 U	370 U	360 U	340 R	360 R
2,4,5-Trichlorophenol	95-95-4	1600 U	1800 U	1700 U	1700 R	1800 R
2,4,6-Trichlorophenol	88-08-2	340 U	370 U	360 U	340 R	360 R
2,4-Dichlorophenol	120-83-2	340 U	370 U	360 U	340 R	360 R
2,4-Dimethylphenol	105-67-9	340 U	370 U	360 U	340 R	360 R
2,4-Dinitrophenol	51-28-5	1600 U	1800 U	1700 U	1700 R	1800 R
2,4-Dinitrotoluene	121-14-2	340 U	370 U	360 U	340 R	360 R
2,6-Dinitrotoluene	606-20-2	340 U	370 U	360 U	340 R	360 R
2-Chloronaphthalene	91-58-7	340 U	370 U	360 U	340 R	360 R
2-Chlorophenol	95-57-8	340 U	370 U	360 U	340 R	360 R
2-Methylnaphthalene	91-57-6	340 U	370 U	360 U	340 R	360 R
2-Methylphenol	95-48-7	340 U	370 U	360 U	340 R	360 R
2-Nitroaniline	88-74-4	1600 U	1800 U	1700 U	1700 R	1800 R
2-Nitrophenol	88-75-5	340 U	370 U	360 U	340 R	360 R
3,3'-Dichlorobenzidine	91-94-1	670 U	740 U	720 U	680 R	730 R
3-Nitroaniline	99-09-2	1600 U	1800 U	1700 U	1700 R	1800 R
4,6-Dinitro-2-methylphenol	534-52-1	1600 U	1800 U	1700 U	1700 R	1800 R
4-Bromophenyl phenyl ether	101-55-3	340 U	370 U	360 U	340 R	360 R
4-Chloroaniline	106-47-8	340 U	370 U	360 U	340 R	360 R
4-Chlorophenylphenyl ether	7005-72-5	340 U	370 U	360 U	340 R	360 R
4-Chloro-3-methylphenol	59-50-7	340 U	370 U	360 U	340 R	360 R
4-Methylphenol	106-44-5	340 U	370 U	360 U	340 R	360 R
4-Nitroaniline	100-01-6	1600 R	1800 U	1700 U	1700 R	1800 R
4-Nitrophenol	100-02-7	1600 U	1800 U	1700 U	1700 R	1800 R
Acenaphthene	83-32-9	340 U	370 U	360 U	340 R	360 R
Acenaphthylene	208-96-8	340 U	370 U	360 U	340 R	360 R
Anthracene	120-12-7	340 U	370 U	360 U	340 R	360 R
Benzoic acid	65-85-0	1600 R	1800 U	1700 U	1700 R	1800 R
Benzo(a)anthracene	56-55-3	340 U	370 U	360 U	340 R	360 R

APPENDIX I
RESULTS OF SVOAS IN SOIL
161AREFG SITE INVESTIGATION
PHOENIX, ARIZONA

Sample Number:	S82-01-0-2-01	S82-01-55-57-01	S82-02-0-2-01	S82-02-10-12-01	S82-02-70-72-01	S82-04-0-2-01
Sample Date:	29-Jan-91	29-Jan-91	22-Jan-91	22-Jan-91	22-Jan-91	22-Jan-91
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Lab Number:	C101317-01A	C101317-02A	C101215-04A	C101215-06A	C101215-10A	C101215-11A
Prep Date:	08-Feb-91	08-Feb-91	29-Jan-91	29-Jan-91	29-Jan-91	01-Feb-91
Analysis Date:	13-Feb-91	13-Feb-91	29-Jan-91	29-Jan-91	30-Jan-91	05-Feb-91
Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND NAME	CAS NUMBER	360 U	360 U	350 U	370 U	360 U
Benzo(a)pyrene	50-32-8	360 U	360 U	350 U	370 U	360 U
Benzo(b)fluoranthene	205-99-2	360 U	360 U	350 U	370 U	360 U
Benzo(g,h,i)perylene	191-24-2	360 U	360 U	350 U	370 U	360 U
Benzo(k)fluoranthene	207-08-9	360 U	360 U	350 U	370 U	360 U
Benzyl alcohol	100-51-6	360 U	360 U	350 U	370 U	360 U
bis(2-Chloroethoxy)methane	111-91-1	360 U	360 U	350 U	370 U	360 U
bis(2-Chloroethyl)ether	111-44-4	360 R	360 R	350 U	370 U	360 U
bis(2-Chloroisopropyl) ether	108-60-1	360 U	360 U	350 U	370 U	360 U
bis(2-Ethylhexyl) phthalate	117-81-7	360 U	360 U	350 U	370 U	360 U
Butyl benzyl phthalate	85-68-7	360 U	360 U	350 U	370 U	360 U
Chrysene	218-01-9	360 U	360 U	350 U	370 U	360 U
Dibenzofuran	132-64-9	360 U	360 U	350 U	370 U	360 U
Dibenzo(a,h)anthracene	53-70-3	360 U	360 U	350 U	370 U	360 U
Diethyl phthalate	84-66-2	360 U	360 U	52 J	370 U	360 U
Dimethyl phthalate	131-11-3	360 U	360 U	350 U	370 U	360 U
Di-n-butyl phthalate	84-74-2	360 U	360 U	350 U	370 U	360 U
Di-n-octyl phthalate	117-84-0	360 U	360 U	350 U	370 U	360 U
Fluoranthene	206-44-0	360 U	360 U	350 U	370 U	360 U
Fluorene	86-73-7	360 U	360 U	350 U	370 U	360 U
Hexachlorobenzene	118-74-1	360 U	360 U	350 U	370 U	360 U
Hexachlorobutadiene	87-68-3	360 U	360 U	350 U	370 U	360 U
Hexachlorocyclopentadiene	77-47-4	360 U	360 U	350 U	370 U	360 U
Hexachloroethane	67-72-1	360 U	360 U	350 U	370 U	360 U
Indeno(1,2,3-cd)pyrene	183-39-5	360 U	360 U	350 U	370 U	360 U
Isophorone	78-59-1	360 U	360 U	350 U	370 U	360 U
Naphthalene	91-20-3	360 U	360 U	350 U	370 U	360 U
Nitrobenzene	98-95-3	360 U	360 U	350 U	370 U	360 U
N-Nitrosodiphenylamine	88-30-6	360 U	360 U	350 U	370 U	360 U
N-Nitroso-d-n-propylamine	621-64-7	360 U	360 U	350 U	370 U	360 U
Pentachlorophenol	87-86-5	1700 U	1900 U	1700 U	1800 U	1800 U
Phenanthrene	85-01-8	360 U	360 U	350 U	370 U	360 U
Phenol	108-95-2	360 U	360 U	350 U	370 U	360 U
Pyrene	129-00-0	360 U	360 U	350 U	370 U	360 U

APPENDIX L
RESULTS OF SVOAS IN SOIL
161AREFG SITE INVESTIGATION
PHOENIX, ARIZONA

Sample Number:	SB2-04-15-17-01	SB2-04-55-57-01	SB2-04-70-72-01	MB2-02-0-2-01	MB2-02-30-32-01	MB2-02-70-72-01
Sample Date:	22-Jan-91	23-Jan-91	23-Jan-91	08-Feb-91	06-Feb-91	06-Feb-91
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Lab Number:	C101215-03A	C101230-01A	C101230-02A	C102089-01A	C102089-03A	C102089-04A
Prep Date:	01-Feb-91	29-Jan-91	29-Jan-91	11-Mar-91	11-Mar-91	11-Mar-91
Analyte Date:	05-Feb-91	30-Jan-91	30-Jan-91	12-Mar-91	12-Mar-91	12-Mar-91
Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND NAME	CAS NUMBER	340 U	370 U	360 U	340 R	360 R
Benzo(a)pyrene	50-32-8	340 U	370 U	360 U	340 R	360 R
Benzo(b)fluoranthene	205-99-2	340 U	370 U	360 U	340 R	360 R
Benzo(g,h,i)perylene	191-24-2	340 U	370 U	360 U	340 R	360 R
Benzo(k)fluoranthene	207-08-9	340 U	370 U	360 U	340 R	360 R
Benzyl alcohol	100-51-6	340 U	370 U	360 U	340 R	360 R
bis(2-Chloroethoxy)methane	111-91-1	340 U	370 U	360 U	340 R	360 R
bis(2-Chloroethylether	111-44-4	340 U	370 U	360 U	340 R	360 R
bis(2-Chloroisopropyl) ether	108-60-1	340 U	370 U	360 U	340 R	360 R
bis(2-Ethylhexyl) phthalate	117-81-7	340 U	370 U	360 U	340 R	360 R
Butyl benzyl phthalate	85-68-7	340 U	370 U	360 U	340 R	360 R
Chrysene	218-01-9	340 U	370 U	360 U	340 R	360 R
Dibenzofuran	132-64-9	340 U	370 U	360 U	340 R	360 R
Dibenzo(a,h)anthracene	53-70-3	340 U	370 U	360 U	340 R	360 R
Diethyl phthalate	84-66-2	340 U	370 U	360 U	340 R	360 R
Dimethyl phthalate	131-11-3	340 U	370 U	360 U	340 R	360 R
Di-n-butyl phthalate	84-74-2	340 U	370 U	360 U	340 R	360 R
Di-n-octyl phthalate	117-84-0	340 U	370 U	360 U	340 R	360 R
Fluoranthene	206-44-0	340 U	370 U	360 U	340 R	360 R
Fluorene	86-73-7	340 U	370 U	360 U	340 R	360 R
Hexachlorobenzene	118-74-1	340 U	370 U	360 U	340 R	360 R
Hexachlorobutadiene	87-68-3	340 U	370 U	360 U	340 R	360 R
Hexachlorocyclopentadiene	77-47-4	340 U	370 U	360 U	340 R	360 R
Hexachloroethane	67-72-1	340 U	370 U	360 U	340 R	360 R
Indeno(1,2,3-cd)pyrene	193-39-5	340 U	370 U	360 U	340 R	360 R
Isochlorone	78-59-1	340 U	370 U	360 U	340 R	360 R
Naphthalene	91-20-3	340 U	370 U	360 U	340 R	360 R
Nitrobenzene	98-95-3	340 U	370 U	360 U	340 R	360 R
N-Nitrosodiphenylamine	86-30-6	340 U	370 U	360 U	340 R	360 R
N-Nitroso-d-n-propylamine	621-64-7	340 U	370 U	360 U	340 R	360 R
Pentachlorophenol	87-86-5	1600 U	1800 U	1700 U	1700 R	1800 R
Phenanthrene	85-01-8	340 U	370 U	360 U	340 R	360 R
Phenol	108-95-2	340 U	370 U	360 U	340 R	360 R
Pyrene	129-00-0	340 U	370 U	360 U	340 R	360 R

APPENDIX L

RESULTS OF SVOAs IN SOIL
161AREFG SITE INVESTIGATION
PHOENIX, ARIZONA

13

Sample Number:	SB3-01-0-1 1/2-01	SB3-01-50-51 1/2-01	SB3-01-70-71 1/2-01	SB3-03-0-1 1/2-01	SB3-03-10-11 1/2-01
Sample Date:	24-Mar-91	24-Mar-91	25-Mar-91	25-Mar-91	25-Mar-91
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL
Lab Number:	C103220-03A	C103220-04A	C103220-11A	C103220-07A	C103220-08A
Prep Date:	30-Mar-91	30-Mar-91	30-Mar-91	30-Mar-91	30-Mar-91
Analysis Date:	03-Apr-91	03-Apr-91	03-Apr-91	03-Apr-91	03-Apr-91
Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND NAME	CAS NUMBER	350 U	340 U	350 U	350 U
1,2,4-Trichlorobenzene	120-82-1	350 U	340 U	350 U	350 U
1,2-Dichlorobenzene	95-50-1	350 U	340 U	350 U	350 U
1,3-Dichlorobenzene	541-73-1	350 U	340 U	350 U	350 U
1,4-Dichlorobenzene	106-46-7	350 U	340 U	350 U	350 U
2,4,5-Trichlorophenol	95-95-4	1700 U	1600 U	1700 U	1700 U
2,4,6-Trichlorophenol	88-06-2	350 U	340 U	350 U	350 U
2,4-Dichlorophenol	120-83-2	350 U	340 U	350 U	350 U
2,4-Dimethylphenol	105-67-9	350 U	340 U	350 U	350 U
2,4-Dinitrophenol	51-28-5	1700 U	1600 U	1700 U	1700 U
2,4-Dinitrotoluene	121-14-2	350 U	340 U	350 U	350 U
2,6-Dinitrotoluene	606-20-2	350 U	340 U	350 U	350 U
2-Chloronaphthalene	91-58-7	350 U	340 U	350 U	350 U
2-Chlorophenol	95-57-8	350 U	340 U	350 U	350 U
2-Methylnaphthalene	91-57-6	350 U	340 U	350 U	350 U
2-Methylphenol	95-48-7	350 U	340 U	350 U	350 U
2-Nitroaniline	88-74-4	1700 U	1600 U	1700 U	1700 U
2-Nitrophenol	88-75-5	350 U	340 U	350 U	350 U
3,3'-Dichlorobenzidine	91-94-1	690 U	680 U	690 U	700 U
3-Nitroaniline	99-09-2	1700 R	1600 R	1700 R	1700 R
4,6-Dinitro-2-methylphenol	534-52-1	1700 U	1600 U	1700 U	1700 U
4-Bromophenyl phenyl ether	101-55-3	350 U	340 U	350 U	350 U
4-Chloroaniline	106-47-8	350 U	340 U	350 U	350 U
4-Chlorophenylphenyl ether	7005-72-5	350 U	340 U	350 U	350 U
4-Chloro-3-methylphenol	59-50-7	350 U	340 U	350 U	350 U
4-Methylphenol	106-44-5	350 U	340 U	350 U	350 U
4-Nitroaniline	100-01-6	1700 U	1600 U	1700 U	1700 U
4-Nitrophenol	100-02-7	1700 U	1600 U	1700 U	1700 U
Acenaphthene	83-32-9	350 U	340 U	350 U	350 U
Acenaphthylene	208-96-8	350 U	340 U	350 U	350 U
Anthracene	120-12-7	350 U	340 U	350 U	350 U
Benzoic acid	65-85-0	1700 U	1600 U	1700 U	38 J
Benzo(a)anthracene	56-55-3	350 U	340 U	350 U	350 U

SOLUB WE 1/4

APPENDIX L
RESULTS OF SVOAs IN SOIL
161AREFG SITE INVESTIGATION
PHOENIX, ARIZONA

Sample Number:		SB3-03-20-21	1/2-01	SB3-04-0-1	1/2-01	SB3-04-5-6	1/2-01	SB3-04-15-16	1/2-01	MB3-01-0-1	1/2-01
Sample Date:		25-Mar-91		24-Mar-91		24-Mar-91		24-Mar-91		22-Mar-91	
Matrix:		SOIL		SOIL		SOIL		SOIL		SOIL	
Lab Number:		C103220-09A		C103220-05A		C103220-06A		C103220-13A		C103212-01A	
Prep Date:		30-Mar-91		30-Mar-91		30-Mar-91		30-Mar-91		26-Mar-91	
Analysis Date:		03-Apr-91		03-Apr-91		03-Apr-91		03-Apr-91		02-Apr-91	
Units:		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
COMPOUND NAME	CAS NUMBER										
1,2,4-Trichlorobenzene	120-82-1	340 U		340 U		350 U		340 U		390 U	
1,2-Dichlorobenzene	95-50-1	340 U		340 U		350 U		340 U		390 U	
1,3-Dichlorobenzene	541-73-1	340 U		340 U		350 U		340 U		390 U	
1,4-Dichlorobenzene	106-46-7	340 U		340 U		350 U		340 U		390 U	
2,4,5-Trichlorophenol	95-95-4	1600 U		1700 U		1700 U		1700 U		1900 U	
2,4,6-Trichlorophenol	88-06-2	340 U		340 U		350 U		340 U		390 U	
2,4-Dichlorophenol	120-83-2	340 U		340 U		350 U		340 U		390 U	
2,4-Dimethylphenol	105-67-9	340 U		340 U		350 U		340 U		390 U	
2,4-Dinitrophenol	51-28-5	1600 U		1700 U		1700 U		1700 U		1900 UJ	
2,4-Dinitrotoluene	121-14-2	340 U		340 U		350 U		340 U		390 U	
2,6-Dinitrotoluene	606-20-2	340 U		340 U		350 U		340 U		390 U	
2-Chloronaphthalene	91-58-7	340 U		340 U		350 U		340 U		390 U	
2-Chlorophenol	95-57-8	340 U		340 U		350 U		340 U		390 U	
2-Methylnaphthalene	91-57-6	340 U		340 U		350 U		340 U		390 U	
2-Methylphenol	95-48-7	340 U		340 U		350 U		340 U		390 U	
2-Nitroaniline	88-74-4	1600 U		1700 U		1700 U		1700 U		1900 U	
2-Nitrophenol	88-75-5	340 U		340 U		350 U		340 U		390 U	
3,3'-Dichlorobenzidine	91-94-1	680 U		690 U		700 U		690 U		780 U	
3-Nitroaniline	99-09-2	1600 R		1700 R		1700 R		1700 R		1900 UJ	
4,6-Dinitro-2-methylphenol	534-52-1	1600 U		1700 U		1700 U		1700 U		1900 U	
4-Bromophenyl phenyl ether	101-55-3	340 U		340 U		350 U		340 U		390 U	
4-Chloroaniline	106-47-8	340 U		340 U		350 U		340 U		390 U	
4-Chlorophenylphenyl ether	7005-72-5	340 U		340 U		350 U		340 U		390 U	
4-Chloro-3-methylphenol	59-50-7	340 U		340 U		350 U		340 U		390 U	
4-Methylphenol	106-44-5	340 U		340 U		350 U		340 U		390 U	
4-Nitroaniline	100-01-6	1600 U		1700 U		1700 U		1700 U		1900 UJ	
4-Nitrophenol	100-02-7	1600 U		1700 U		1700 U		1700 U		1900 U	
Acenaphthene	83-32-9	340 U		340 U		350 U		340 U		390 U	
Acenaphthylene	208-96-8	340 U		340 U		350 U		340 U		390 U	
Anthracene	120-12-7	340 U		340 U		350 U		340 U		390 U	
Benzoic acid	65-85-0	1600 U		1700 U		1700 U		1700 U		1900 U	
Benzo(a)anthracene	56-55-3	340 U		340 U		350 U		340 U		390 U	

FORUM MEAN

APPENDIX L

RESULTS OF SVOAs IN SOIL 161AREFG SITE INVESTIGATION PHOENIX, ARIZONA

15

Sample Number: MB3-01-50-51 1/2-01MB3-01-60-61 1/2-01MB3-02-0-1 1/2-01 MB3-02-5-6 1/2-01
Sample Date: 22-Mar-91 22-Mar-91 23-Mar-91 23-Mar-91
Matrix: SOIL SOIL SOIL SOIL
Lab Number: C103212-02A C103212-03A C103220-01A C103220-02A
Prep Date: 26-Mar-91 26-Mar-91 30-Mar-91 30-Mar-91
Analysis Date: 01-Apr-91 01-Apr-91 02-Apr-91 02-Apr-91
Units: ug/Kg ug/Kg ug/Kg ug/Kg

COMPOUND NAME	CAS NUMBER	ug/Kg	ug/Kg	ug/Kg	ug/Kg
1,2,4-Trichlorobenzene	120-82-1	380 U	360 U	350 U	340 U
1,2-Dichlorobenzene	95-50-1	380 U	360 U	350 U	340 U
1,3-Dichlorobenzene	541-73-1	380 U	360 U	350 U	340 U
1,4-Dichlorobenzene	106-46-7	380 U	360 U	350 U	340 U
2,4,5-Trichlorophenol	95-95-4	1900 U	1800 U	1700 U	1600 U
2,4,6-Trichlorophenol	88-06-2	380 U	360 U	350 U	340 U
2,4-Dichlorophenol	120-83-2	380 U	360 U	350 U	340 U
2,4-Dimethylphenol	105-67-9	380 U	360 U	350 U	340 U
2,4-Dinitrophenol	51-28-5	1900 UJ	1800 UJ	1700 U	1600 U
2,4-Dinitrotoluene	121-14-2	380 U	360 U	350 U	340 U
2,6-Dinitrotoluene	606-20-2	380 U	360 U	350 U	340 U
2-Chloronaphthalene	91-58-7	380 U	360 U	350 U	340 U
2-Chlorophenol	95-57-8	380 U	360 U	350 U	340 U
2-Methylnaphthalene	91-57-6	380 U	360 U	350 U	340 U
2-Methylphenol	95-48-7	380 U	360 U	350 U	340 U
2-Nitroaniline	88-74-4	1900 U	1800 U	1700 U	1600 U
2-Nitrophenol	68-75-5	380 U	360 U	350 U	340 U
3,3'-Dichlorobenzidine	91-94-1	770 U	730 U	710 UJ	1600 UJ
3-Nitroaniline	99-09-2	1900 UJ	1800 UJ	1700 U	1600 U
4,6-Dinitro-2-methylphenol	534-52-1	1900 U	1800 U	1700 U	1600 U
4-Bromophenyl phenyl ether	101-55-3	380 U	360 U	350 UJ	340 UJ
4-Chloroaniline	106-47-8	380 U	360 U	350 U	340 U
4-Chlorophenylphenyl ether	7005-72-5	380 U	360 U	350 U	340 U
4-Chloro-3-methylphenol	59-50-7	380 U	360 U	350 U	340 U
4-Methylphenol	106-44-5	380 U	360 U	350 U	340 U
4-Nitroaniline	100-01-6	1900 UJ	1800 UJ	1700 U	1600 U
4-Nitrophenol	100-02-7	1900 U	1800 U	1700 U	1600 U
Acenaphthene	83-32-9	380 U	360 U	350 U	340 U
Acenaphthylene	208-96-8	380 U	360 U	350 U	340 U
Anthracene	120-12-7	380 U	360 U	350 U	340 U
Benzoic acid	65-85-0	1900 U	1800 U	1700 U	1600 U
Benzo(a)anthracene	56-55-3	380 U	360 U	350 U	340 U

SOILS: MB3-01

APPENDIX L
RESULTS OF SVOAs IN SOIL
161AREFG SITE INVESTIGATION
PHOENIX, ARIZONA

Sample Number:	SB3-01-0-1 1/2-01	SB3-01-50-51 1/2-01	SB3-01-70-71 1/2-01	SB3-03-0-1 1/2-01	SB3-03-10-11 1/2-01
Sample Date:	24-Mar-91	24-Mar-91	25-Mar-91	25-Mar-91	25-Mar-91
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL
Lab Number:	C103220-03A	C103220-04A	C103220-11A	C103220-07A	C103220-08A
Prep Date:	30-Mar-91	30-Mar-91	30-Mar-91	30-Mar-91	30-Mar-91
Analysis Date:	03-Apr-91	03-Apr-91	03-Apr-91	03-Apr-91	03-Apr-91
Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND NAME	CAS NUMBER				
Benzo(a)pyrene	50-32-8	350 U	350 U	350 U	350 U
Benzo(b)fluoranthene	205-98-2	350 U	350 U	350 U	350 U
Benzo(g,h,i)perylene	191-24-2	350 U	350 U	350 U	350 U
Benzo(k)fluorene	207-08-9	350 U	350 U	350 U	350 U
Benzyl alcohol	100-51-6	350 U	350 U	350 U	350 U
bis(2-Chloroethoxy)methane	111-91-1	350 U	350 U	350 U	350 U
bis(2-Chloroethyl)ether	111-44-4	350 U	350 U	350 U	350 U
bis(2-Chloroisopropyl) ether	108-60-1	350 U	350 U	350 U	350 U
bis(2-Ethylhexyl) phthalate	117-81-7	350 U	350 U	350 U	350 U
Butyl benzyl phthalate	85-68-7	350 U	350 U	350 U	350 U
Chrysene	218-01-9	350 U	350 U	350 U	56 J
Dibenzofuran	132-64-9	350 U	350 U	350 U	350 U
Dibenzo(a,h)anthracene	53-70-3	350 U	350 U	350 U	350 U
Diethyl phthalate	84-66-2	350 U	350 U	350 U	350 U
Dimethyl phthalate	131-11-3	350 U	350 U	350 U	350 U
Di-n-butyl phthalate	84-74-2	350 U	350 U	350 U	350 U
Di-n-octyl phthalate	117-84-0	350 U	350 U	350 U	350 U
Fluoranthene	206-44-0	350 U	350 U	350 U	97 J
Fluorene	86-73-7	350 U	350 U	350 U	350 U
Hexachlorobenzene	118-74-1	350 U	350 U	350 U	350 U
Hexachlorobutadiene	87-68-3	350 U	350 U	350 U	350 U
Hexachlorocyclopentadiene	77-47-4	350 U	350 U	350 U	350 U
Hexachloroethane	67-72-1	350 U	350 U	350 U	350 U
Indeno(1,2,3-cd)pyrene	193-39-5	350 U	350 U	350 U	350 U
Isophorone	78-59-1	350 U	350 U	350 U	350 U
Naphthalene	91-20-3	350 U	350 U	350 U	350 U
Nitrobenzene	98-95-3	350 U	350 U	350 U	350 U
N-Nitrosodiphenylamine	86-30-6	350 U	350 U	350 U	350 U
N-Nitroso-di-n-propylamine	621-64-7	350 U	350 U	350 U	350 U
Pentachlorophenol	87-86-5	1700 U	1700 U	1700 U	1700 U
Phenanthrene	85-01-8	350 U	350 U	350 U	71 J
Phenol	108-95-2	350 U	350 U	350 U	350 U
Pyrene	129-00-0	350 U	350 U	350 U	110 J

DOUGHERTY

APPENDIX L
RESULTS OF SVOAS IN SOIL
161AREFG SITE INVESTIGATION
PHOENIX, ARIZONA

17

Sample Number:	SB3-03-20-21 1/2-01	SB3-04-0-1 1/2-01	SB3-04-5-6 1/2-01	SB3-04-15-16 1/2-01	MB3-01-0-1 1/2-01
Sample Date:	25-Mar-91	24-Mar-91	24-Mar-91	24-Mar-91	22-Mar-91
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL
Lab Number:	C103220-08A	C103220-05A	C103220-06A	C103220-13A	C103212-01A
Prep Date:	30-Mar-91	30-Mar-91	30-Mar-91	30-Mar-91	28-Mar-91
Analysis Date:	03-Apr-91	03-Apr-91	03-Apr-91	03-Apr-91	02-Apr-91
Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND NAME	CAS NUMBER				
Benzo(e)pyrene	50-32-8	340 U	350 U	340 U	390 U
Benzo(b)fluoranthene	205-99-2	340 U	350 U	340 U	390 U
Benzo(g,h,i)perylene	191-24-2	340 U	350 U	340 U	390 U
Benzo(k)fluoranthene	207-08-9	340 U	350 U	340 U	390 U
Benzyl alcohol	100-51-6	340 U	350 U	340 U	390 U
bis(2-Chloroethoxy)methane	111-91-1	340 U	350 U	340 U	390 U
bis(2-Chloroethyl)ether	111-44-4	340 U	350 U	340 U	390 U
bis(2-Chloropropyl) ether	108-60-1	340 U	350 U	340 U	390 U
bis(2-Ethylhexyl) phthalate	117-81-7	340 U	350 U	340 U	390 U
Butyl benzyl phthalate	85-68-7	340 U	350 U	340 U	390 U
Chrysene	218-01-9	340 U	350 U	340 U	390 U
Dibenzofuran	132-64-9	340 U	350 U	340 U	390 U
Dibenzo(a,h)anthracene	53-70-3	340 U	350 U	340 U	390 U
Diethyl phthalate	84-66-2	3900	350 U	340 U	390 U
Dimethyl phthalate	131-11-3	340 U	350 U	340 U	390 U
Di-n-butyl phthalate	84-74-2	340 U	350 U	340 U	390 U
Di-n-octyl phthalate	117-84-0	340 U	350 U	340 U	390 U
Fluoranthene	206-44-0	340 U	350 U	340 U	390 U
Fluorene	86-73-7	340 U	350 U	340 U	390 U
Hexachlorobenzene	118-74-1	340 U	350 U	340 U	390 U
Hexachlorobutadiene	87-68-3	340 U	350 U	340 U	390 U
Hexachlorocyclopentadiene	77-47-4	340 U	350 U	340 U	390 U
Hexachloroethane	67-72-1	340 U	350 U	340 U	390 U
Indeno(1,2,3-cd)pyrene	193-39-5	340 U	350 U	340 U	390 U
Isophorone	78-59-1	340 U	350 U	340 U	390 U
Naphthalene	91-20-3	340 U	350 U	340 U	390 U
Nitrobenzene	98-95-3	340 U	350 U	340 U	390 U
N-Nitrosodiphenylamine	86-30-6	340 U	350 U	340 U	390 U
N-Nitroso-di-n-propylamine	621-64-7	340 U	350 U	340 U	390 U
Pentachlorophenol	87-86-5	1600 U	1700 U	1700 U	1900 U
Phenanthrene	85-01-8	340 U	350 U	340 U	390 U
Phenol	108-95-2	340 U	350 U	340 U	390 U
Pyrene	129-00-0	340 U	350 U	340 U	390 U

DOLAN WZ 00

APPENDIX L
RESULTS OF SVOAS IN SOIL
161AREFG SITE INVESTIGATION
PHOENIX, ARIZONA

Sample Number:	MB3-01-50-51 1/2-01	MB3-01-60-61 1/2-01	MB3-02-0-1 1/2-01	MB3-02-5-6 1/2-01
Sample Date:	22-Mar-91	22-Mar-91	23-Mar-91	23-Mar-91
Matrix:	SOIL	SOIL	SOIL	SOIL
Lab Number:	C103212-02A	C103212-03A	C103220-01A	C103220-02A
Prep Date:	26-Mar-91	26-Mar-91	30-Mar-91	30-Mar-91
Analysis Date:	01-Apr-91	01-Apr-91		02-Apr-91
Units:	ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND NAME	CAS NUMBER	360 U	360 U	360 U
Benzo(a)pyrene	50-32-8	360 U	360 U	360 U
Benzo(b)fluoranthene	205-99-2	360 U	360 U	360 U
Benzo(g,h,i)perylene	191-24-2	360 U	360 U	360 U
Benzo(k)fluoranthene	207-08-9	360 U	360 U	360 U
Benzyl alcohol	100-51-6	360 U	360 U	360 U
bis(2-Chloroethoxy)methane	111-91-1	360 U	360 U	360 U
bis(2-Chloroethyl) ether	111-44-4	360 U	360 U	360 U
bis(2-Chloropropyl) ether	108-60-1	360 U	360 U	360 U
bis(2-Ethylhexyl) phthalate	117-81-7	360 U	360 U	360 U
Butyl benzyl phthalate	85-68-7	360 U	360 U	360 U
Chrysene	218-01-9	360 U	360 U	360 U
Dibenzofuran	132-64-9	360 U	360 U	360 U
Dibenzo(a,h)anthracene	53-70-3	360 U	360 U	360 U
Diethyl phthalate	84-66-2	360 U	360 U	360 U
Dimethyl phthalate	131-11-3	360 U	360 U	360 U
Di-n-butyl phthalate	84-74-2	360 U	360 U	360 U
Di-n-octyl phthalate	117-84-0	360 U	360 U	360 U
Fluoranthene	206-44-0	360 U	360 U	360 U
Fluorene	86-73-7	360 U	360 U	360 U
Hexachlorobenzene	118-74-1	360 U	360 U	360 U
Hexachlorobutadiene	87-68-3	360 U	360 U	360 U
Hexachlorocyclopentadiene	77-47-4	360 U	360 U	360 U
Hexachloroethane	67-72-1	360 U	360 U	360 U
Indeno(1,2,3-cd)pyrene	183-39-5	360 U	360 U	360 U
Isophorone	78-59-1	360 U	360 U	360 U
Naphthalene	91-20-3	360 U	360 U	360 U
Nitrobenzene	98-95-3	360 U	360 U	360 U
N-Nitrosodiphenylamine	98-30-6	360 U	360 U	360 U
N-Nitroso-di-n-propylamine	621-64-7	360 U	360 U	360 U
Pentachlorophenol	87-86-5	1900 U	1700 U	1600 U
Phenanthrene	85-01-8	360 U	360 U	360 U
Phenol	108-95-2	360 U	360 U	360 U
Pyrene	129-00-0	360 U	360 U	360 U

APPENDIX L
RESULTS OF SVOAs IN SOIL
161AREFG SITE INVESTIGATION
PHOENIX, ARIZONA

19

Sample Number:		SS4-01	SS4-02	SS4-03	SS4-04	SS4-05	SS4-06
Sample Date:		13-Feb-91	13-Feb-91	13-Feb-91	13-Feb-91	13-Feb-91	13-Feb-91
Metric:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Lab Number:		C102192-01B	C102192-02B	C102192-03B	C102192-04B	C102192-05B	C102192-06B
Prep Date:		24-Feb-91	24-Feb-91	24-Feb-91	24-Feb-91	24-Feb-91	24-Feb-91
Analysis Date:		28-Feb-91	28-Feb-91	16-Mar-91	28-Feb-91	20-Mar-91	19-Mar-91
Units:		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND NAME	CAS NUMBER						
1,2,4-Trichlorobenzene	120-82-1	350 U	350 U	360 U	350 U	350 U	340 U
1,2-Dichlorobenzene	95-50-1	350 U	350 U	360 U	350 U	350 U	340 U
1,3-Dichlorobenzene	541-73-1	350 U	350 U	360 U	350 U	350 U	340 U
1,4-Dichlorobenzene	106-46-7	350 U	350 U	360 U	350 U	350 U	340 U
2,4,5-Trichlorophenol	95-95-4	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
2,4,6-Trichlorophenol	88-06-2	350 U	350 U	360 U	350 U	350 U	340 U
2,4-Dichlorophenol	120-83-2	350 U	350 U	360 U	350 U	350 U	340 U
2,4-Dimethylphenol	105-67-9	350 U	350 U	360 U	350 U	350 U	340 U
2,4-Dinitrophenol	51-28-5	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
2,4-Dinitrotoluene	121-14-2	350 U	350 U	360 U	350 U	350 U	340 U
2,6-Dinitrotoluene	608-20-2	350 U	350 U	360 U	350 U	350 U	340 U
2-Chloronaphthalene	91-58-7	350 U	350 U	360 U	350 U	350 U	340 U
2-Chlorophenol	95-57-8	350 U	350 U	360 U	350 U	350 U	340 U
2-Methylnaphthalene	91-57-6	350 U	350 U	360 U	350 U	350 U	340 U
2-Methylphenol	95-48-7	350 U	350 U	360 U	350 U	350 U	340 U
2-Nitroaniline	88-74-4	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
2-Nitrophenol	88-75-5	350 U	350 U	360 U	350 U	350 U	340 U
3,3'-Dichlorobenzidine	91-94-1	690 U	690 U	710 U	710 U	690 U	690 U
3-Nitroaniline	98-09-2	1700 R	1700 R	1700 R	1700 R	1700 R	1700 R
4,6-Dinitro-2-methylphenol	534-52-1	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
4-Bromophenyl phenyl ether	101-55-3	350 U	350 U	360 U	350 U	350 U	340 U
4-Chloroaniline	106-47-8	350 U	350 U	360 R	350 U	350 U	340 U
4-Chlorophenylphenyl ether	7005-72-5	350 U	350 U	360 U	350 U	350 U	340 U
4-Chloro-3-methylphenol	59-50-7	350 U	350 U	360 U	350 U	350 U	340 U
4-Methylphenol	106-44-5	350 U	350 U	360 U	350 U	350 U	340 U
4-Nitroaniline	100-01-6	1700 U	1700 U	1700 U	1700 U	1700 R	1700 U
4-Nitrophenol	100-02-7	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Acenaphthene	83-32-9	350 U	350 U	360 U	350 U	350 U	340 U
Acenaphthylene	208-96-8	350 U	350 U	360 U	350 U	350 U	340 U
Anthracene	120-12-7	350 U	350 U	360 U	350 U	350 U	340 U
Benzole acid	65-85-0	1700 U	1700 U	42 J	1700 U	57 J	1700 U
Benzo(a)anthracene	56-55-3	350 U	350 U	360 U	350 U	350 U	340 U

DEL JAY NICH

APPENDIX L
RESULTS OF SVOAS IN SOIL
161AREFG SITE INVESTIGATION
PHOENIX, ARIZONA

20

Sample Number:		SS4-01	SS4-02	SS4-03	SS4-04	SS4-05	SS4-06
Sample Date:	Matrix:	13-Feb-91	13-Feb-91	13-Feb-91	13-Feb-91	13-Feb-91	13-Feb-91
Lab Number:	Prep Date:	C102182-01B	C102182-02B	C102182-03B	C102182-04B	C102182-05B	C102182-06B
Analysis Date:	Units:	24-Feb-91	24-Feb-91	24-Feb-91	24-Feb-91	24-Feb-91	24-Feb-91
		28-Feb-91	28-Feb-91	16-Mar-91	28-Feb-91	20-Mar-91	19-Mar-91
		ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
COMPOUND NAME	CAS NUMBER						
Benzo(a)pyrene	50-32-8	350 U	350 U	360 U	350 U	350 U	340 U
Benzo(b)fluoranthene	205-99-2	350 U	350 U	360 U	350 U	350 U	340 U
Benzo(g,h,i)perylene	191-24-2	350 U	350 U	360 U	350 U	350 U	340 U
Benzo(k)fluoranthene	207-08-9	350 U	350 U	360 U	350 U	350 U	340 U
Benzyl alcohol	100-51-6	350 U	350 U	360 U	350 U	350 U	340 U
bis(2-Chloroethoxy)methane	111-91-1	350 U	350 U	360 U	350 U	350 U	340 U
bis(2-Chloroethyl)ether	111-44-4	350 U	350 U	360 U	350 U	350 U	340 U
bis(2-Chloroisopropyl) ether	108-60-1	350 U	350 U	360 U	350 U	350 U	340 U
bis(2-Ethylhexyl) phthalate	117-81-7	350 U	350 U	140 J	170 J	530	340 U
Butyl benzyl phthalate	85-68-7	350 U	350 U	360 U	350 U	270 J	340 U
Chrysene	218-01-9	350 U	350 U	360 U	350 U	350 U	340 U
Dibenzofuran	132-64-9	350 U	350 U	360 U	350 U	350 U	340 U
Dibenzo(a,h)anthracene	53-70-3	350 U	350 U	360 U	350 U	350 U	340 U
Diethyl phthalate	84-66-2	350 U	350 U	360 U	350 U	350 U	340 U
Dimethyl phthalate	131-11-3	350 U	350 U	360 U	350 U	350 U	340 U
Di-n-butyl phthalate	84-74-2	350 U	350 U	360 U	350 U	72 J	340 U
Di-n-octyl phthalate	117-84-0	350 U	350 U	360 U	350 U	40 J	340 U
Fluoranthene	206-44-0	350 U	350 U	360 U	350 U	350 U	340 U
Fluorene	86-73-7	350 U	350 U	360 U	350 U	350 U	340 U
Hexachlorobenzene	118-74-1	350 U	350 U	360 U	350 U	350 U	340 U
Hexachlorobutadiene	87-68-3	350 U	350 U	360 U	350 U	350 U	340 U
Hexachlorocyclopentadiene	77-47-4	350 U	350 U	360 U	350 U	350 U	340 U
Hexachloroethane	67-72-1	350 U	350 U	360 U	350 U	350 U	340 U
Indeno(1,2,3-cd)pyrene	193-38-5	350 U	350 U	360 U	350 U	350 U	340 U
Isophorone	78-59-1	350 U	350 U	360 U	350 U	350 U	340 U
Naphthalene	91-20-3	350 U	350 U	360 U	350 U	350 U	340 U
Nitrobenzene	98-95-3	350 U	350 U	360 U	350 U	350 U	340 U
N-Nitrosodiphenylamine	86-30-6	350 U	350 U	360 U	350 U	350 U	340 U
N-Nitroso-d-n-propylamine	621-64-7	350 U	350 U	360 U	350 U	350 U	340 U
Pentachlorophenol	87-86-5	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U
Phenanthrene	85-01-8	350 U	350 U	360 U	350 U	350 U	340 U
Phenol	108-95-2	350 U	350 U	360 U	350 U	350 U	340 U
Pyrene	129-00-0	350 U	350 U	360 U	350 U	350 U	340 U

END OF REPORT

APPENDIX L
RESULTS OF SVOAs IN SOIL
161AREFG SITE INVESTIGATION
PHOENIX, ARIZONA

Sample Number:	MB5-01-0-2-02	MB5-01-5-7-02	MB5-01-70-72-01
Sample Date:	07-Feb-91	07-Feb-91	07-Feb-91
Matrix:	SOIL	SOIL	SOIL
Lab Number:	C102106-01B	C102106-02B	C102106-03A
Prep Date:	11-Mar-91	11-Mar-91	22-Mar-91
Analysis Date:	14-Mar-91	14-Mar-91	22-Mar-91
Units:	ug/Kg	ug/Kg	ug/Kg
COMPOUND NAME	CAS NUMBER		
1,2,4-Trichlorobenzene	120-82-1	380 R	340 R
1,2-Dichlorobenzene	95-50-1	380 R	340 R
1,3-Dichlorobenzene	541-73-1	380 R	340 R
1,4-Dichlorobenzene	106-46-7	380 R	340 R
2,4,5-Trichlorophend	95-95-4	1800 R	1800 R
2,4,6-Trichlorophend	88-06-2	380 R	340 R
2,4-Dichlorophend	120-83-2	380 R	340 R
2,4-Dimethylphend	106-67-9	380 R	340 R
2,4-Dinitrophend	51-28-5	1800 R	1800 R
2,4-Dinitrotoluene	121-14-2	380 R	340 R
2,6-Dinitrotoluene	606-20-2	380 R	340 R
2-Chloronaphthalene	91-58-7	380 R	340 R
2-Chlorophend	95-57-8	380 R	340 R
2-Methylnaphthalene	91-57-6	380 R	340 R
2-Methylphend	95-48-7	380 R	340 R
2-Nitroaniline	88-74-4	1800 R	1800 R
2-Nitrophend	88-75-5	380 R	340 R
3,3'-Dichlorobenzidine	91-94-1	760 R	680 R
3-Nitroaniline	99-09-2	1800 R	1800 R
4,6-Dinitro-2-methylphend	534-52-1	1800 R	1800 R
4-Bromophenyl phenyl ether	101-55-3	380 R	340 R
4-Chloroaniline	106-47-8	380 R	340 R
4-Chlorophenylphenyl ether	7005-72-5	380 R	340 R
4-Chloro-3-methylphend	59-50-7	380 R	340 R
4-Methylphend	106-44-5	380 R	340 R
4-Nitroaniline	100-01-6	1800 R	1800 R
4-Nitrophend	100-02-7	1800 R	1800 R
Acenaphthene	83-32-9	380 R	340 R
Acenaphthylene	208-96-8	380 R	340 R
Anthracene	120-12-7	380 R	340 R
Benzoic acid	65-85-0	1800 R	1800 R
Benzo(a)anthracene	56-55-3	380 R	340 R

APPENDIX L
RESULTS OF SVOAs IN SOIL
161AREFG SITE INVESTIGATION
PHOENIX, ARIZONA

Sample Number:	MB5-01-0-2-02	MB5-01-5-7-02	MB5-01-70-72-01
Sample Date:	07-Feb-91	07-Feb-91	07-Feb-91
Matrix:	SOIL	SOIL	SOIL
Lab Number:	C102108-01B	C102108-02B	C102108-03A
Prep Date:	11-Mar-91	11-Mar-91	22-Mar-91
Analysis Date:	14-Mar-91	14-Mar-91	22-Mar-91
Units:	ug/Kg	ug/Kg	ug/Kg
COMPOUND NAME	CAS NUMBER		
Benzo(e)pyrene	50-32-8	340 R	340 R
Benzo(b)fluoranthene	205-99-2	340 R	340 R
Benzo(g,h,i)perylene	191-24-2	340 R	340 R
Benzo(k)fluoranthene	207-08-9	340 R	340 R
Benzyl alcohol	100-51-6	340 R	340 R
bis(2-Chloroethoxy)methane	111-91-1	340 R	340 R
bis(2-Chloroethyl)ether	111-44-4	340 R	340 R
bis(2-Chloroisopropyl) ether	108-60-1	340 R	340 R
bis(2-Ethylhexyl) phthalate	117-81-7	340 R	340 R
Butyl benzyl phthalate	85-68-7	340 R	340 R
Chrysene	218-01-9	340 R	340 R
Dibenzofuran	132-64-9	340 R	340 R
Dibenzo(a,h)anthracene	53-70-3	340 R	340 R
Diethyl phthalate	84-68-2	340 R	340 R
Dimethyl phthalate	131-11-3	340 R	340 R
Di-n-butyl phthalate	84-74-2	340 R	340 R
Di-n-octyl phthalate	117-84-0	340 R	340 R
Fluoranthene	206-44-0	340 R	340 R
Fluorene	86-73-7	340 R	340 R
Hexachlorobenzene	118-74-1	340 R	340 R
Hexachlorobutadiene	87-68-3	340 R	340 R
Hexachlorocyclopentadiene	77-47-4	340 R	340 R
Hexachloroethane	67-72-1	340 R	340 R
Indeno(1,2,3-cd)pyrene	193-39-5	340 R	340 R
Isochlorone	78-59-1	340 R	340 R
Naphthalene	91-20-3	340 R	340 R
Nitrobenzene	98-95-3	340 R	340 R
N-Nitrosodiphenylamine	86-30-6	340 R	340 R
N-Nitroso-di-n-propylamine	621-64-7	340 R	340 R
Pentachlorophenol	87-86-5	1600 R	1600 R
Phenanthrene	85-01-8	340 R	340 R
Phenol	108-95-2	340 R	340 R
Pyrene	129-00-0	340 R	340 R

U = Not detected

J = Estimated value

R = Result rejected in validation

END DATA

APPENDIX L

RESULTS OF INORGANICS IN SOIL 161AREFG SITE INVESTIGATION PHOENIX, ARIZONA

Sample Number:	MBS-01-0-2-01	MBS-01-60-62-01	MBS-02-0-2-01	MBS-02-5-7-01	MS-02-10-12-0MBS-03-0-2-01
Sample Date:	29-Jan-91	29-Jan-91	29-Jan-91	29-Jan-91	29-Jan-91
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL
Lab Number:	C101318-01A	C101318-04A	C101318-04A	C101318-04A	C101326-01A
Prep Date:	20-Feb-91	20-Feb-91	20-Feb-91	20-Feb-91	20-Feb-91
Analysis Date:	13-Mar-91	13-Mar-91	13-Mar-91	13-Mar-91	13-Mar-91
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Aluminum	7429-90-5	5230	4230	3830	9250
Antimony	7440-36-0	4 UJ	3.8 UJ	3.7 UJ	3.8 UJ
Arsenic	7440-38-2	8.1 J	4 J	4.1 J	8 J
Barium	7440-39-3	115	61.3	53.9	185 J
Beryllium	7440-41-7	0.49 J	0.2 U	0.2 J	0.4 J
Cadmium	7440-43-9	0.83 U	0.79 U	0.78 U	0.81 U
Calcium	7440-70-2	28400	8570	6710	18500 J
Chromium	7440-47-3	24.1 J	12.9	11.2	22.1
Cobalt	7440-48-4	10.8	5.9 J	5.5 J	8.7 J
Copper	7440-50-8	22 J	17.5 J	80.2 J	41.6 J
Iron	7439-89-6	18900	10700	9550	16900
Lead	7439-92-1	6.8 J	6.4 J	6.2 J	15.3 J
Magnesium	7439-95-4	8620	3620	3230	6460 J
Manganese	7439-96-5	313 J	230 J	218 J	277 J
Mercury	7439-97-6	0.16 R	0.15 R	0.15 R	0.16 R
Nickel	7440-02-0	22.2	17.4	18.3	17.6
Potassium	7440-09-7	1700 J	626 J	581 J	1520 J
Selenium	7782-49-2	0.42 U	0.4 U	0.39 U	0.41 U
Silver	7440-22-4	1.8 J	0.6 U	0.61 J	1.6 J
Sodium	7440-23-5	706 J	295 J	305 J	557 J
Thallium	7440-28-0	0.21 U	0.2 J	0.2 U	0.2 U
Vanadium	7440-62-2	46 J	32.9 J	32.3 J	43.7 J
Zinc	7440-66-6	39.9 J	33.8 J	43.4 J	45 J
Nitrate/Nitrite		54	3.7	2	60
Organic Lead		1.1 U	1 U	1 U	1.1 U

U = Compound not detected

J = Estimated value

R = Result rejected in

APPENDIX L

RESULTS OF INORGANICS IN SOIL 161AREFG SITE INVESTIGATION PHOENIX, ARIZONA

Sample Number:	MBS-03-5-7-01	S82-01-0-2-01	S82-01-0-2-02	S82-01-50-82-01	S82-01-55-57-01	S82-02-0-2-01
Sample Date:	30-Jan-91	29-Jan-91	29-Jan-91	29-Jan-91	29-Jan-91	22-Jan-91
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Lab Number:	C101326-03A	C101317-01A	C101317-03A	C101317-06A	C101317-02A	C101215-04A
Prep Date:	20-Feb-91	23-Feb-91	23-Feb-91	23-Feb-91	23-Feb-91	07-Feb-91
Analysis Date:	13-Mar-91	13-Mar-91	13-Mar-91	13-Mar-91	13-Mar-91	13-Mar-91
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Aluminum	7429-90-5	12000	11400	6200	5550	12400
Antimony	7440-38-0	3.9 UJ	4 UJ	3.9 UJ	3.7 UJ	4.3 UJ
Arsenic	7440-38-2	4.8 J	5.7 J	3.9 J	3 J	7.9 J
Barium	7440-39-3	112 J	118	35.9 J	53.1	140 J
Beryllium	7440-41-7	0.33 J	0.62 J	0.51 J	0.4 U	0.46 U
Cadmium	7440-43-9	0.82 U	0.84 U	0.84 U	0.8 U	0.9 U
Calcium	7440-70-2	32800 J	27800	2780	2310	33100 J
Chromium	7440-47-3	26.2	22.3 J	11.9 J	37.2 J	23.8
Cobalt	7440-48-4	8 J	10.4 J	6.8 J	4.2 J	12.5
Copper	7440-50-8	97.8 J	88.9 J	35.2 J	51.2 J	25.6 J
Iron	7439-89-6	16200	17200	9320	6880	20400
Lead	7439-92-1	18.4 J	194	2.4 J	2.1 J	5.9 J
Magnesium	7439-95-4	6080 J	8810	2710	2570	11200 J
Manganese	7439-96-5	250 J	355	274	272	380 J
Mercury	7439-97-6	0.16 R	0.16 R	0.16 R	0.16 R	0.17 R
Nickel	7440-02-0	14.6	25.2	10.8	11.1	27.3
Potassium	7440-09-7	1800 J	3420 J	683 J	589 J	2970 J
Selenium	7782-49-2	0.42 U	0.41 U	0.44 U	0.41 U	0.44 U
Silver	7440-22-4	1.7 J	1.7 J	1.2 J	0.6 U	1.7 J
Sodium	7440-23-5	726 J	713 J	680 J	174 J	1180 J
Thallium	7440-28-0	0.21 U	0.41 U	0.44 U	0.41 U	0.44 U
Vanadium	7440-82-2	47.9 J	36.4 J	42.2 J	14.6 J	43.2 J
Zinc	7440-86-6	79.6 J	79 J	76.4 J	64.7 J	49.7 J
Nitrate/Nitrite						
Organic Lead						

U = Compound not detected

J = Estimated value

R = Result rejected in
data validation

APPENDIX L

RESULTS OF INORGANICS IN SOIL 161AREFG SITE INVESTIGATION PHOENIX, ARIZONA

Sample Number:	S82-02-10-12-01	S82-02-70-72-01	S82-04-0-2-01	S82-04-55-57-01	S82-04-70-72-01	M82-02-0-2-01
Sample Date:	22-Jan-91	22-Jan-91	22-Jan-91	23-Jan-91	23-Jan-91	06-Feb-91
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Lab Number:	C101215-06A	C101215-10A	C101215-11A	C101230-01A	C101230-02A	C102088-01A
Prep Date:	07-Feb-91	07-Feb-91	07-Feb-91	23-Feb-91	23-Feb-91	06-Mar-91
Analysis Date:	13-Mar-91	13-Mar-91	13-Mar-91	13-Mar-91	13-Mar-91	18-Mar-91
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Aluminum	5400	7310	13000	13800	4570	8920
Antimony	3.9 UJ	4.2 UJ	4 UJ	4 UJ	3.7 UJ	4.2 UJ
Arsenic	4.8 J	8.3 J	10 J	6.8 J	4 J	6.4 J
Barium	68.5 J	102 J	143 J	152 J	36.1 J	115
Beryllium	0.41 U	0.44 U	0.44 U	0.72 J	0.45 J	0.39 J
Cadmium	0.82 U	0.89 U	0.87 U	0.86 U	0.81 U	5.5
Calcium	14200 J	3780	31700 J	5850 J	2430	22500 J
Chromium	17.3	22.6	25.6	35.9	8 J	19.6
Cobalt	8.1 J	11.5	12.3	11.4	4.5 J	9.6 J
Copper	25.5 J	67.8 J	35.4	71.9 J	24.6 J	39.2
Iron	14700	15200	20700	19100	7570	15900
Lead	3.2 J	3.2 J	6.3 J	3.2 J	2.6 J	154
Magnesium	4980 J	3850 J	10700 J	5450 J	2400	8230 J
Manganese	179 J	414 J	387 J	720	120	334
Mercury	0.16 R	0.17 R	0.17 R	0.17 R	0.16 R	0.17 R
Nickel	14.9	15.6	28.2	35.9	7.5 J	23.8
Potassium	914 J	893 J	3590 J	1130 J	604 J	2180 J
Selenium	0.4 U	0.43 U	0.44 U	0.43 U	0.4 U	0.45 U
Silver	1.4 J	0.67 U	3.7 J	1.3 J	0.83 J	1.3 J
Sodium	577 J	229 J	1110 J	338 J	185 J	299 J
Thallium	0.4 U	0.43 U	0.44 U	0.43 U	0.4 U	0.45 U
Vanadium	43.2 J	41.2 J	44.7 J	34.1 J	15.5 J	33.9
Zinc	27.8 J	47.5 J	51.2 J	130 J	43.9 J	127 J
Nitrate/Nitrite						
Organic Lead						

U = Compound not detected

J = Estimated value

R = Result rejected in

data validation

APPENDIX L

RESULTS OF INORGANICS IN SOIL 161AREFG SITE INVESTIGATION PHOENIX, ARIZONA

Sample Number:	MB2-02-30-32-01	MB2-02-70-72-01	SS4-01	SS4-02	SS4-03	SS4-04
Sample Date:	06-Feb-91	06-Feb-91	13-Feb-91	13-Feb-91	13-Feb-91	13-Feb-91
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Lab Number:	C102089-03A	C102089-04A	C102182-01A	C102182-02A	C102182-03A	C102182-04A
Prep Date:	08-Mar-91	08-Mar-91	08-Mar-91	08-Mar-91	08-Mar-91	08-Mar-91
Analysis Date:	18-Mar-91	18-Mar-91	18-Mar-91	18-Mar-91	18-Mar-91	18-Mar-91
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Aluminum	2880	4040	6310	6240	6140	5820
Antimony	4.5 J	4 UJ	4 UJ	3.9 UJ	4 UJ	4 UJ
Arsenic	3.1 J	7.2 J	2.7 J	3.2 J	3.5 J	3.2
Barium	27.1 J	51.2 J	74.5	74.2	73.7	62.2
Beryllium	0.21 J	0.55 J	0.28 J	0.35 J	0.33 J	0.34 J
Cadmium	0.81 U	0.87 U	0.84 U	0.83 U	0.84 U	0.84 U
Calcium	1670 J	3310 J	69500 J	21400 J	21900 J	19000 J
Chromium	5	9.9	8.5	9.1	13.3	10
Cobalt	3.5 J	6.5 J	6.5 J	6.3 J	6.4 J	5.5 J
Copper	19 J	24.1 J	11 J	39.6 J	25.3 J	16.1 J
Iron	6220 J	8710 J	8740	9820	9550	9820
Lead	3.3 J	4.3 J	10.2 J	8.4 J	66.9 J	12.5 J
Magnesium	2050 J	2880 J	4830 J	4310 J	4580 J	3780 J
Manganese	94.7	204	189	205	189	180
Mercury	0.16 R	0.16 R	0.16 R	0.16 R	0.16 R	0.16 R
Nickel	6.4 J	11.4	11.5	10.5 J	11.6	9.9 J
Potassium	543 J	574 J	1670 J	1570 J	1390 J	1400 J
Selenium	0.4 U	0.41 U	0.41 U	0.42 U	0.43 U	0.43 U
Silver	0.61 U	0.75 J	0.82 J	0.82 U	0.82 J	0.83 U
Sodium	225 J	246 J	144 J	163 J	191 J	146 J
Thallium	0.4 U	0.41 U	0.41 U	0.42 U	0.43 U	0.43 U
Vanadium	12.6	22.1	16.7	18.1	19.8	19.2
Zinc	30.6 J	34.2 J	41.4 J	29.8 J	44 J	27 J
Nitrate/Nitrite						
Organic Lead						

U = Compound not detected

J = Estimated value

R = Result rejected in data validation

APPENDIX L (CONT.)

APPENDIX L

RESULTS OF INORGANICS IN SOIL 161AREFG SITE INVESTIGATION PHOENIX, ARIZONA

Sample Number:	SS4-05	SS4-06	MB5-01-0-2-01	MB5-01-5-7-01	MB5-01-70-72-01
Sample Date:	13-Feb-91	13-Feb-91	07-Feb-91	07-Feb-91	07-Feb-91
Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL
Lab Number:	C102192-05A	C102192-06A	C102106-01A	C102106-02A	C102106-03A
Prep Date:	08-Mar-91	08-Mar-91	08-Mar-91	08-Mar-91	08-Mar-91
Analysis Date:	18-Mar-91	18-Mar-91	18-Mar-91	18-Mar-91	18-Mar-91
Units:	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Aluminum	6470	4390	10500	3670	3710
Antimony	3.9 UJ	3.7 UJ	4 UJ	3.7 UJ	3.7 UJ
Arsenic	3.1 J	2.9 J	7.8 J	3.2 J	6.5 J
Barium	67.4	42.4 J	115	49	182
Beryllium	0.21 U	0.4 J	0.41 J	0.2 J	0.53 J
Cadmium	0.83 U	0.81 U	0.97 U	0.78 U	0.78 U
Calcium	33300 J	40600 J	23100 J	10500 J	3620 J
Chromium	10.5	5.4	18.8	8.6	11
Cobalt	5.5 J	3.5 J	10.6 J	5.5 J	8.1 J
Copper	16 J	8.9 J	24.7 J	9.3 J	36.7 J
Iron	10200	6900 J	17200	9330	8480
Lead	9.4 J	7.3 J	10.8 J	3 J	2.6 J
Magnesium	4310 J	4390 J	8950 J	3690 J	2380 J
Manganese	189	133	358	132	738
Mercury	0.16 R	0.16 R	0.17 R	0.15 R	0.15 R
Nickel	12.1	7 J	24.3	11.1	17.6
Potassium	1570 J	649 J	2020 J	554 J	365 J
Selenium	0.4 U	0.41 U	0.44 U	0.39 U	0.39 U
Silver	0.79 J	0.61 J	1 J	0.59 U	0.58 U
Sodium	219 J	194 J	497 J	453 J	178 J
Thallium	0.4 U	0.41 U	0.44 U	0.39 U	0.39 U
Vanadium	21.2	13.6	36	23	22.6
Zinc	27.3 J	22.6 J	53.7 J	20.5 J	57.5 J
Nitrate/Nitrite			28	7.5	0.2
Organic Lead			1.1 U	1 U	1 U

U = Compound not detected
J = Estimated value
R = Result rejected in
data validation

APPENDIX M

TABULATION OF WATER ANALYTICAL RESULTS

APPENDIX M
RESULTS OF VOAs IN WATER
161 AREFG SITE INVESTIGATION PHOENIX, ARIZONA

Sample Number:	MWS-01-01A	MWS-01-02	MWS-02-01	MWS-02-02	MWS-02-02	MWS-02-02
Sample Date:	15-Apr-91	24-Jun-91	12-Apr-91	28-Jun-91	28-Jun-91	28-Jun-91
Lab Number:	BB3291	BB8943	BB3074	BB9147	BB9147 DL	BB9148
Analyte Date:	24-Apr-91	29-Jun-91	23-Apr-91	03-Jul-91	03-Jul-91	05-Jul-91
COMPOUND	CASE NUMBER	UNITS				
1,1,1-Trichloroethane	71-55-6	ug/L	5U	5U	10U	5U
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5U	5UJ	10U	5U
1,1,2-Trichloroethane	79-00-5	ug/L	5U	5U	10U	5U
1,1-Dichloroethane	75-34-3	ug/L	5U	5U	10U	5U
1,1-Dichloroethane	75-35-4	ug/L	5U	5U	10U	5U
1,2-Dichloroethane	107-06-2	ug/L	5U	5U	10U	5U
1,2-Dichloroethylene	540-59-0	ug/L	1J	5U	10U	5U
1,2-Dichloropropane	78-87-5	ug/L	5U	5U	10U	5U
2-Butanone	78-83-3	ug/L	10U	10U	20U	10U
2-Hexanone	591-78-6	ug/L	10U	10U	20U	10U
4-Methyl-2-pentanone	108-10-1	ug/L	10UJ	10U	20U	10U
Acetone	67-64-1	ug/L	10U	10U	20U	10U
Benzene	71-43-2	ug/L	5U	68	230 D	110
Bromodichloromethane	75-27-4	ug/L	5U	5U	10U	5U
Bromoform	75-25-2	ug/L	5UJ	5U	10U	5U
Bromomethane	74-83-9	ug/L	10U	10U	20U	10U
Carbon disulfide	75-15-0	ug/L	5U	5UJ	10UJ	5U
Carbon Tetrachloride	56-23-5	ug/L	5UJ	5U	10U	5U
Chlorobenzene	108-90-7	ug/L	5U	5U	10U	5U
Chloroethane	75-00-3	ug/L	10U	10U	20 R	10U
Chloroform	67-66-3	ug/L	5U	5U	10U	5U
Chloromethane	74-87-3	ug/L	10U	10U	20U	10U
cis-1,3-Dichloropropene	10061-01-5	ug/L	5U	5U	10U	5U
Dibromochloromethane	124-48-1	ug/L	5U	5U	10U	5U
Ethylbenzene	100-41-4	ug/L	5U	5U	10U	5U
Methylene chloride	75-09-2	ug/L	5U	5U	10U	5U
Styrene	100-42-5	ug/L	5U	5U	10U	5U
Tetrachlorethene	127-18-4	ug/L	5U	5U	10U	5U
Toluene	108-88-3	ug/L	5U	1J	10U	5U
Total xylenes	1330-20-7	ug/L	5U	5U	10U	1J
trans-1,3-Dichloropropene	10061-02-6	ug/L	5U	5U	10U	5U
Trichloroethene	79-01-6	ug/L	5U	6	10U	3J
Vinyl Acetate	108-05-4	ug/L	10U	10U	20U	10U
Vinyl chloride	75-01-4	ug/L	10U	10U	20U	10U
Vinyl chloride	75-01-4	ug/L	0.5U	1.8U	1.8U	1.8U
Organic Lead		ug/L	100U	100U	100U	100UJ
TPH		mg/L	1U	1U	1U	1U

U = Compound not detected
J = Estimated value
E = Estimated concentration above quantitation limits
R = Result rejected in validation

APPENDIX M
RESULTS OF VOAs IN WATER
161 AREFG SITE INVESTIGATION PHOENIX, ARIZONA
(cont.)

		T1-01-01A 19-Apr-91 BB3994	T2-01-01A 19-Apr-91 BB3995	T3-01-01A 19-Apr-91 BB3996	T4-01-01A 19-Apr-91 BB3997	T5-01-01A 19-Apr-91 BB3998
Analysis Date:		30-Apr-91	30-Apr-91	30-Apr-91	30-Apr-91	30-Apr-91
COMPOUND	CASE NUMBER	UNITS				
1,1,1-Trichloroethane	71-55-6	5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	79-34-5	5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	79-00-5	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	75-34-3	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	75-35-4	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	107-06-2	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethylene	540-59-0	5 U	5 U	5 U	2 J	5 U
1,2-Dichloropropane	78-87-5	5 U	5 U	5 U	5 U	5 U
2-Butanone	78-93-3	10 R	10 R	10 R	10 R	10 R
2-Hexanone	591-78-6	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone	108-10-1	10 U	10 U	10 U	10 U	10 U
Acetone	67-64-1	65	10 U	10 U	10 U	110
Benzene	71-43-2	5 U	5 U	5 U	5 U	5 U
Bromodichloromethane	75-27-4	5 U	5 U	5 U	5 U	5 U
Bromoform	75-25-2	5 U	5 U	5 U	5 U	5 U
Bromomethane	74-83-9	10 U	10 U	10 U	10 U	10 U
Carbon disulfide	75-15-0	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	56-23-5	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	108-90-7	5 U	5 U	5 U	5 U	5 U
Chloroethane	75-00-3	10 U	10 U	10 U	10 U	10 U
Chloroform	67-66-3	5 U	5 U	5 U	5 U	5 U
Chloromethane	74-87-3	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	10061-01-5	5 U	5 U	5 U	5 U	5 U
Dibromochloromethane	124-48-1	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	100-41-4	5 U	5 U	5 U	5 U	5 U
Methylene chloride	75-09-2	5 U	5 U	5 U	5 U	5 U
Styrene	100-42-5	5 U	5 U	5 U	5 U	5 U
Tetrachlorethane	127-18-4	5 U	5 U	5 U	5 U	5 U
Toluene	108-88-3	5 U	5 U	5 U	5 U	5 U
Total xylenes	1330-20-7	5 U	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	10061-02-6	5 U	5 U	5 U	5 U	5 U
Trichloroethene	79-01-6	5 U	5 U	5 U	5 U	5 U
Vinyl Acetate	108-05-4	5 U	5 U	5 U	5 U	5 U
Vinyl chloride	75-01-4	10 U	10 U	10 U	10 U	10 U
Vinyl chloride	75-01-4	10 U	10 U	10 U	10 U	10 U
Organic Lead		1 U	1 U	1 U	1 U	1 U
TPH		1 U	1 U	1 U	1 U	1 U

APPENDIX A

Sample Number:	MWS-03-01	MWS-03-02	MWS-04-01	MWS-04-01	MWS-04-01	MWS-04-02	MWS-04-02	PS-2-01
Sample Date:	10-Apr-91	28-Jun-91	11-Apr-91	11-Apr-91	11-Apr-91	27-Jun-91	27-Jun-91	09-Apr-91
Lab Number:	BB2914	BB9149	BB2915	BB2915 DL	BB2915 DL	BB9096	BB9096 DL	BB2623
Analysis Date:	23-Apr-91	03-Jul-91	23-Apr-91	24-Apr-91	01-Jul-91	02-Jul-91	02-Jul-91	19-Apr-91
CASE	NUMBER	UNITS						
1,1,1-Trichloroethane	71-55-6	ug/L	5 U	5 U	100 U	5 U	250 U	5 U
1,1,2,2-Tetrachloroethane	78-34-5	ug/L	5 U	5 U	100 U	5 U	250 U	5 U
1,1,2-Trichloroethane	79-00-5	ug/L	5 U	5 U	100 U	5 U	250 U	5 U
1,1-Dichloroethane	75-34-3	ug/L	5 U	1 J	100 U	5 U	250 U	5 U
1,1-Dichloroethane	75-35-4	ug/L	2 J	5 U	100 U	5 U	250 U	1 J
1,2-Dichloroethane	107-06-2	ug/L	5 U	5 U	100 U	5 U	250 U	5 U
1,2-Dichloroethylene	540-59-0	ug/L	1 J	5 U	100 U	2 J	250 U	2 J
1,2-Dichloropropane	78-87-5	ug/L	5 U	5 U	100 U	5 U	250 U	5 U
2-Butanone	78-93-3	ug/L	5 U	5 U	100 U	5 U	250 U	5 U
2-Hexanone	591-78-6	ug/L	10 UJ	10 UJ	200 U	10 U	500 U	10 R
4-Methyl-2-pentanone	108-10-1	ug/L	10 U	10 U	200 U	10 U	500 U	10 UJ
Acetone	67-64-1	ug/L	10 UJ	10 UJ	200 U	22 U	500 U	10 UJ
Benzene	71-43-2	ug/L	5 U	1900 E	1100 D	1700 E	1900 D	790 E/820 D
Bromochloromethane	75-27-4	ug/L	5 U	5 U	100 U	5 U	250 U	5 U
Bromoform	75-25-2	ug/L	5 U	5 U	100 U	5 U	250 U	5 U
Bromomethane	74-83-9	ug/L	10 U	10 U	200 U	10 U	500 U	10 UJ
Carbon disulfide	75-15-0	ug/L	5 U	5 U	100 U	5 U	250 U	5 U
Carbon Tetrachloride	56-23-5	ug/L	5 U	5 U	100 U	5 U	250 U	5 U
Chlorobenzene	108-90-7	ug/L	5 U	5 U	100 U	5 U	250 U	5 U
Chloroethane	75-00-3	ug/L	10 U	10 U	200 U	10 U	500 U	10 UJ
Chloroform	67-68-3	ug/L	5 U	5 U	100 U	5 U	250 U	5 U
Chloromethane	74-87-3	ug/L	10 U	10 U	200 U	10 U	500 U	10 U
cis-1,3-Dichloropropene	10081-01-5	ug/L	5 U	5 U	100 U	5 U	250 U	5 U
Dibromochloromethane	124-48-1	ug/L	5 U	5 U	100 U	5 U	250 U	5 U
Ethylbenzene	100-41-4	ug/L	5 U	420 E	310 D	420 E	230 DJ	25
Methylene chloride	75-09-2	ug/L	5 U	5 U	100 U	5 U	250 U	5 U
Styrene	100-42-5	ug/L	5 U	5 U	100 U	5 U	250 U	5 U
Tetrachloroethane	127-18-4	ug/L	5 U	5 U	100 U	5 U	250 U	5 U
Toluene	108-88-3	ug/L	5 U	680 E	580 D	550 E	350 D	2 J
Total xylenes	1330-20-7	ug/L	5 U	1000 E	830 D	630 E	250 D	29
trans-1,3-Dichloropropene	10081-02-6	ug/L	5 U	5 U	100 U	5 U	250 U	5 UJ
Trichloroethane	79-01-6	ug/L	11	5 U	100 U	4 J	250 U	9
Vinyl Acetate	108-05-4	ug/L	10 U	10 U	200 U	10 U	500 U	10 U
Vinyl chloride	75-01-4	ug/L	10 U	10 U	200 U	10 U	500 U	10 U
Vinyl chloride	75-01-4	ug/L	0.5 U	0.5 U	200 U	1.8 U	500 U	0.5 U
Organic Lead		ug/L	100 U	100 U	100 UJ	100 UJ	---	100 U
TPH		mg/L	IP	7	3.1	3.1	---	1 U

APPENDIX M
RESULTS OF VOAs IN WATER
161 AREFG SITE INVESTIGATION PHOENIX, ARIZONA
(cont.)

Sample Number:	PS-2-02	PS-2-02	MW1-02-01A	MW1-02-02	MW2-02-01	MW2-02-02
Sample Date:	29-Jun-91	29-Jun-91	18-Apr-91	24-Jun-91	10-Apr-91	25-Jun-91
Lab Number:	BB9150	BB9150 DL	BB3808	BB8795	BB2911	BB8082
Analysis Date:	05-Jul-91	05-Jul-91	26-Apr-91	26-Jun-91	23-Apr-91	01-Jul-91
COMPOUND	CASE NUMBER	UNITS	200 U	5 U	5 U	5 U
1,1,1-Trichloroethane	71-55-6	ug/L	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	79-34-5	ug/L	10 U	5 U	5 U	5 U
1,1,2-Trichloroethane	79-00-5	ug/L	5 U	5 U	5 U	5 U
1,1-Dichloroethane	75-34-3	ug/L	200 U	5 U	1 J	5 U
1,1-Dichloroethane	75-35-4	ug/L	200 U	5 U	5 U	5 U
1,2-Dichloroethane	107-06-2	ug/L	200 U	5 U	5 U	5 U
1,2-Dichloroethylene	540-59-0	ug/L	200 U	5 U	5 U	5 U
1,2-Dichloropropane	78-87-5	ug/L	200 U	3 J	7	2 J
2-Butanone	78-93-3	ug/L	200 U	5 U	5 U	5 U
2-Hexanone	591-78-6	ug/L	400 U	10 U	10 R	10 U
4-Methyl-2-pentanone	108-10-1	ug/L	400 U	10 U	10 U	10 U
Acetone	67-64-1	ug/L	400 U	10 U	10 U	10 U
Benzene	71-43-2	ug/L	2100 E	5 U	5 U	5 U
Bromodichloromethane	75-27-4	ug/L	5 U	5 U	5 U	5 U
Bromoform	75-25-2	ug/L	200 U	5 U	5 U	5 U
Bromomethane	74-83-9	ug/L	400 U	10 U	10 U	10 U
Carbon disulfide	75-15-0	ug/L	200 U	5 U	5 U	5 U
Carbon Tetrachloride	56-23-5	ug/L	200 U	5 U	5 U	5 U
Chlorobenzene	108-90-7	ug/L	200 U	5 U	5 U	5 U
Chloroethane	75-00-3	ug/L	400 U	10 R	10 U	10 U
Chloroform	67-66-3	ug/L	200 U	5 U	5 U	5 U
Chloromethane	74-87-3	ug/L	400 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	10061-01-5	ug/L	200 U	5 U	5 U	5 U
Dibromochloromethane	124-48-1	ug/L	200 U	5 U	5 U	5 U
Ethylbenzene	100-41-4	ug/L	360 E	5 U	5 U	5 U
Methylene chloride	75-09-2	ug/L	200 U	5 U	5 U	5 U
Styrene	100-42-5	ug/L	200 U	5 U	5 U	5 U
Tetrachlorethene	127-18-4	ug/L	200 U	5 U	5 U	5 U
Toluene	106-88-3	ug/L	200 U	5 U	5 U	5 U
Total xylenes	1330-20-7	ug/L	260 E	5 U	5 U	5 U
trans-1,3-Dichloropropene	10061-02-6	ug/L	5 U	5 U	5 U	5 U
Trichloroethene	79-01-6	ug/L	5 U	1 J	2 J	1 J
Vinyl Acetate	108-05-4	ug/L	10 U	10 U	10 U	10 U
Vinyl chloride	75-01-4	ug/L	10 U	10 U	10 U	10 U
Vinyl chloride	75-01-4	ug/L	1.8 U	0.5 U	0.5 U	1.8 U
Organic Lead		mg/L	100 U	1 U	1	1 U
TPH		mg/L	3.1			

APPENDIX M
RESULTS OF VOAs IN WATER
161 AREFG SITE INVESTIGATION PHOENIX, ARIZONA
(cont.)

Sample Number:	MW3-01-01	MW3-01-01	MW3-01-01	MW3-01-02	MW3-01-02	MW3-01-02	MW3-02-01A	MW3-02-01A-DUP
Sample Date:	11-Apr-91	11-Apr-91	28-Jun-91	28-Jun-91	28-Jun-91	28-Jun-91	17-Apr-91	17-Apr-91
Lab Number:	BB3075	BB3075 DL	BB3075 DL	BB9144	BB9144 DL	BB9144 DL	BB3809	BB3810
Analysis Date:	23-Apr-91	23-Apr-91	03-Jul-91	03-Jul-91	03-Jul-91	03-Jul-91	26-Apr-91	26-Apr-91
COMPOUND	CASE NUMBER	UNITS	50 U	50 U	50 U	50 U	50 U	50 U
1,1,1-Trichloroethane	71-55-6	ug/L	25 U	50 U	50 U	100 U	5 U	5 U
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	25 U	50 U	50 U	100 U	5 U	5 U
1,1,2-Trichloroethane	79-00-5	ug/L	25 U	50 U	50 U	100 U	5 U	5 U
1,1-Dichloroethane	75-34-3	ug/L	25 U	50 U	50 U	100 U	5 U	5 U
1,1-Dichloroethene	75-35-4	ug/L	25 U	50 U	50 U	100 U	5 U	5 U
1,2-Dichloroethane	107-06-2	ug/L	25 U	50 U	50 U	100 U	5 U	5 U
1,2-Dichloroethylene	540-59-0	ug/L	25 U	50 U	50 U	100 U	5 U	5 U
1,2-Dichloropropane	78-87-5	ug/L	25 U	50 U	50 U	100 U	5 U	5 U
2-Butanone	78-93-3	ug/L	50 U	100 U	100 U	200 U	10 U	10 U
2-Hexanone	591-78-6	ug/L	50 U	100 U	100 U	200 U	10 U	10 U
4-Methyl-2-pentanone	108-10-1	ug/L	50 U	100 U	100 U	200 U	10 U	10 U
Acetone	67-64-1	ug/L	50 U	100 U	100 U	200 U	10 U	10 U
Benzene	71-43-2	ug/L	1300 E	1200 D	1500 E	2600 D	5 U	5 U
Bromodichloromethane	75-27-4	ug/L	25 U	50 U	50 U	100 U	5 U	5 U
Bromoform	75-25-2	ug/L	25 U	50 U	50 U	100 U	5 U	5 U
Bromomethane	74-83-9	ug/L	50 U	100 U	100 U	200 U	10 U	10 U
Carbon disulfide	75-15-0	ug/L	25 U	50 U	7 U	140 BD	5 U	5 U
Carbon Tetrachloride	56-23-5	ug/L	25 U	50 U	5 U	100 U	5 U	5 U
Chlorobenzene	108-90-7	ug/L	25 U	50 U	5 U	100 U	5 U	5 U
Chloroethane	75-00-3	ug/L	50 U	100 U	10 R	200 R	10 U	10 U
Chloroform	67-66-3	ug/L	25 U	50 U	5 U	100 U	5 U	5 U
Chloromethane	74-87-3	ug/L	50 U	100 U	10 U	200 U	10 U	10 U
cis-1,3-Dichloropropene	10061-01-5	ug/L	25 U	50 U	5 U	100 U	5 U	5 U
Dibromochloromethane	124-48-1	ug/L	25 U	50 U	5 U	100 U	5 U	5 U
Ethylbenzene	100-41-4	ug/L	18 J	16 DJ	240 E	240 D	5 U	5 U
Methylene chloride	75-09-2	ug/L	25 U	50 U	5 U	100 U	5 U	5 U
Styrene	100-42-5	ug/L	25 U	50 U	5 U	100 U	5 U	5 U
Tetrachloroethene	127-18-4	ug/L	25 U	50 U	5 U	100 U	5 U	5 U
Toluene	108-88-3	ug/L	25 U	50 U	5 U	100 U	5 U	5 U
Total xylenes	1330-20-7	ug/L	25 U	50 U	8	100 U	5 U	5 U
trans-1,3-Dichloropropene	10061-02-6	ug/L	25 U	50 U	5 U	100 U	5 U	5 U
Trichloroethene	79-01-6	ug/L	25 U	50 U	1 J	100 U	3 J	3 J
Vinyl Acetate	108-05-4	ug/L	50 U	100 U	10 U	200 U	10 U	10 U
Vinyl chloride	75-01-4	ug/L	0.5 U	100 U	1.8 U	200 U	0.5 U	0.5 U
Vinyl chloride		ug/L	100 U	100 U	100 U	100 U	100 U	100 U
Organic Lead		mg/L	1 U	4	3.8	2	2	1 U
TPH								

APPENDIX A

Sample Number:	MW3-02-02	0 MW3-02-02-DUMW4-01-01	MW4-01-02	MW4-02-01A	MW4-02-02
Sample Date:	27-Jun-91	27-Jun-91	26-Jun-91	16-Apr-91	26-Jun-91
Lab Number:	BB9145	BB9146	BB9087	BB3505	BB9058
Analysis Date:	03-Jul-91	03-Jul-91	02-Jul-91	25-Apr-91	29-Jun-91

APPENDIX M
RESULTS OF SVOAs IN WATER
161 AREFG SITE INVESTIGATION
PHOENIX, ARIZONA

Sample Number:		MWS-01-01A	MWS-01-02	MWS-02-01	MWS-02-02	MWS-02-02	MWS-03-01
Sample Date:		15-Apr-91	24-Jun-91	12-Apr-91	28-Jun-91	28-Jun-91	10-Apr-91
Lab Number:		BB3305	BB8943	BB3090	BB9173	BB9173	BB2834
Prep Date:		18-Apr-91	01-Jul-91	17-Apr-91	05-Jul-91	05-Jul-91	17-Apr-91
Analysis Date:		29-Apr-91	09-Jul-91	19-Apr-91	09-Jul-91	09-Jul-91	19-Apr-91
COMPOUND	CASE NUMBER	UNITS	10 U	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	120-82-1	ug/L	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	95-50-1	ug/L	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	541-73-1	ug/L	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	106-46-7	ug/L	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	95-95-4	ug/L	50 U	50 U	50 U	50 R	50 U
2,4,6-Trichlorophenol	88-06-2	ug/L	10 U	10 U	10 U	10 R	10 U
2,4-Dichlorophenol	120-83-2	ug/L	10 U	10 U	10 U	10 R	10 U
2,4-Dimethylphenol	105-67-9	ug/L	10 U	10 U	10 U	10 R	10 U
2,4-Dinitrophenol	51-28-5	ug/L	50 U	50 U	50 U	50 R	50 U
2,4-Dinitrotoluene	121-14-2	ug/L	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	606-20-2	ug/L	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	91-58-7	ug/L	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	95-57-8	ug/L	10 U	10 U	10 U	10 R	10 U
2-Methylnaphthalene	91-57-6	ug/L	10 U	10 U	10 U	10 U	10 U
2-Methylphenol	95-48-7	ug/L	10 U	10 U	10 U	10 R	10 U
2-Nitroaniline	88-74-4	ug/L	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	88-75-5	ug/L	10 U	10 U	10 U	10 R	10 U
3,3'-Dichlorobenzidine	91-94-1	ug/L	20 U	20 U	20 U	20 U	20 U
3-Nitroaniline	99-09-2	ug/L	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	50 U	50 U	50 U	50 R	50 U
4-Bromophenyl phenyl ether	101-55-3	ug/L	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	106-47-8	ug/L	10 U	10 U	10 U	10 U	10 U
4-Chlorophenylphenyl ether	7005-72-3	ug/L	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	59-50-7	ug/L	10 U	10 U	10 U	10 R	10 U
4-Methylphenol	106-44-5	ug/L	10 U	10 U	10 U	10 R	10 U
4-Nitroaniline	100-01-6	ug/L	50 U	50 U	50 U	50 U	50 U
4-Nitrophenol	100-02-7	ug/L	50 U	50 U	50 U	50 R	50 U
Acenaphthene	83-32-9	ug/L	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	208-96-8	ug/L	10 U	10 U	10 U	10 U	10 U
Anthracene	120-12-7	ug/L	10 U	10 U	10 U	10 U	10 U

APPENDIX M
RESULTS OF SVOAs IN WATER
161 AREFG SITE INVESTIGATION
PHOENIX, ARIZONA

Sample Number:	MWS-03-02	MWS-04-01	MWS-04-02	PS-2-01	PS-2-02	MW1-02-01A
Sample Date:	28-Jun-91	11-Apr-91	27-Jun-91	09-Apr-91	29-Jun-91	18-Apr-91
Lab Number:	B89175	B82035	B89111	B82033	B89150	B83083
Prep Date:	05-Jul-91	17-Apr-91	03-Jul-91	15-Apr-91	05-Jul-91	23-Apr-91
Analysis Date:	09-Jul-91	19-Apr-91	08-Jul-91	17-Apr-91	09-Jul-91	16-May-91
COMPOUND	CASE NUMBER	UNITS	10 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	120-82-1	ug/L	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	95-50-1	ug/L	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	541-73-1	ug/L	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	100-46-7	ug/L	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	95-95-4	ug/L	50 U	50 R	50 R	50 U
2,4,6-Trichlorophenol	88-08-2	ug/L	10 U	10 R	10 R	10 U
2,4-Dichlorophenol	120-83-2	ug/L	10 U	10 R	10 R	10 U
2,4-Dimethylphenol	105-67-9	ug/L	10 U	10 R	10 R	10 U
2,4-Dichlorophenol	51-28-5	ug/L	50 U	50 R	50 R	50 U
2,4-Dibromobenzene	121-14-2	ug/L	10 U	10 U	10 U	10 U
2,6-Dichlorobenzene	608-20-2	ug/L	10 U	10 U	10 U	10 U
2-Chloronaphthalene	91-59-7	ug/L	10 U	10 U	10 U	10 U
2-Chlorophenol	95-57-8	ug/L	10 U	10 R	10 R	10 U
2-Methylnaphthalene	91-57-6	ug/L	7 J	10 U	10 U	10 U
2-Methylphenol	95-48-7	ug/L	10 U	10 R	10 R	10 U
2-Nitroaniline	88-74-4	ug/L	50 U	50 U	50 U	50 U
2-Nitrophenol	88-75-5	ug/L	10 U	10 R	10 R	10 U
3,3'-Dichlorobenzidine	91-04-1	ug/L	20 U	20 U	20 U	20 U
3-Nitroaniline	99-09-2	ug/L	50 U	50 U	50 U	50 U
4,6-Dichloro-2-methylphenol	534-52-1	ug/L	10 U	10 U	10 U	10 U
4-Bromophenyl phenyl ether	101-55-3	ug/L	10 U	10 U	10 U	10 U
4-Chloroaniline	108-47-8	ug/L	10 U	10 U	10 U	10 U
4-Chlorophenylphenyl ether	7005-72-3	ug/L	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	59-50-7	ug/L	10 U	10 R	10 R	10 U
4-Methylphenol	100-44-5	ug/L	3 J	10 R	10 R	10 U
4-Nitroaniline	100-01-6	ug/L	50 U	50 U	50 U	50 U
4-Nitrophenol	100-02-7	ug/L	50 U	50 R	50 R	50 U
Acenaphthene	83-32-9	ug/L	10 U	10 U	10 U	10 U
Acenaphthylene	208-96-8	ug/L	10 U	10 U	10 U	10 U
Anthracene	120-12-7	ug/L	10 U	10 U	10 U	10 U

U= Compound not detected
J= Estimated value
E= Estimated concentration above quantitation limits
R= Result rejected in validation

APPENDIX M
RESULTS OF SVOAs IN WATER
161 AREG SITE INVESTIGATION
PHOENIX, ARIZONA

Sample Number:	MWS-01-01A	MWS-01-02	MWS-02-01	MWS-02-02	MWS-02-02 DUP	MWS-03-01
Sample Date:	15-Apr-91	24-Jun-91	12-Apr-91	28-Jun-91	28-Jun-91	10-Apr-91
Lab Number:	BB3305	BB843	BB3080	BB8173	BB8173	BB2834
Prep Date:	18-Apr-91	01-Jul-91	17-Apr-91	05-Jul-91	05-Jul-91	17-Apr-91
Analyte Date:	29-Apr-91	09-Jul-91	19-Apr-91	09-Jul-91	09-Jul-91	19-Apr-91
Benzic acid	65-85-0 ug/L	50 U	50 U	50 U	50 R	50 U
Benzofluoranthrene	56-55-3 ug/L	10 U	10 U	10 U	10 U	10 U
Benzofluoranthrene	50-32-8 ug/L	10 U	10 U	10 U	10 U	10 U
Benzofluoranthrene	205-89-2 ug/L	10 U	10 U	10 U	10 U	10 U
Benzofluoranthrene	191-24-2 ug/L	10 U	10 U	10 U	10 U	10 U
Benzofluoranthrene	207-08-9 ug/L	10 U	10 U	10 U	10 U	10 U
Benzyl alcohol	100-51-8 ug/L	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	111-91-1 ug/L	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)ether	111-44-4 ug/L	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroisopropyl) ether	108-60-1 ug/L	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl) phthalate	117-81-7 ug/L	10 U	10 U	10 U	10 U	10 U
Buyl benzyl phthalate	85-88-7 ug/L	10 U	10 U	10 U	10 U	10 U
Chrysene	218-01-9 ug/L	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	132-64-9 ug/L	10 U	10 U	10 U	10 U	10 U
Dibenzofluoranthrene	53-70-3 ug/L	10 U	10 U	10 U	10 U	10 U
Dibutyl phthalate	84-68-2 ug/L	10 U	10 U	10 U	10 U	10 U
Dimethyl phthalate	131-11-3 ug/L	10 U	10 U	10 U	10 U	10 U
Di-n-butyl phthalate	84-74-2 ug/L	10 U	10 U	10 U	10 U	10 U
Di-n-octyl phthalate	117-84-0 ug/L	10 U	10 U	10 U	10 U	10 U
Fluoranthene	208-44-0 ug/L	10 U	10 U	10 U	10 U	10 U
Fluorene	86-73-7 ug/L	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	118-74-1 ug/L	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	87-68-3 ug/L	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	77-47-4 ug/L	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	67-72-1 ug/L	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	193-39-5 ug/L	10 U	10 U	10 U	10 U	10 U
Isophorone	78-59-1 ug/L	10 U	10 U	10 U	10 U	10 U
Naphthalene	91-20-3 ug/L	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	98-95-3 ug/L	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	86-30-6 ug/L	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	621-64-7 ug/L	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	87-86-5 ug/L	50 U	50 U	50 U	50 R	50 U
Phenanthrene	85-01-8 ug/L	10 U	10 U	10 U	10 U	10 U
Phenol	108-95-2 ug/L	10 U	10 U	3 J	10 R	10 U
Pyrene	129-00-0 ug/L	10 U	10 U	10 U	10 U	10 U

U = Compound not detected
J = Estimated value
R = Result rejected in validation

APPENDIX M

RESULTS OF SVOA: IN WATER

PHOENIX, ARIZONA

Sample Number:	MWS-03-02	MWS-04-01	MWS-04-02	PS-2-01	PS-2-02	MW1-02-01A
Sample Date:	28-Jun-91	11-Apr-91	27-Jun-91	09-Apr-91	29-Jun-91	18-Apr-91
Lab Number:	BB9175	BB2035	BB9111	BB2033	BB9150	BB9053
Prep Date:	05-Jul-91	17-Apr-91	03-Jul-91	15-Apr-91	05-Jul-91	23-Apr-91
Analysis Date:	09-Jul-91	19-Apr-91	08-Jul-91	17-Apr-91	08-Jul-91	16-May-91
CASE	NUMBER	UNITS	COMPOUND	NUMBER	UNITS	COMPOUND
	65-85-0	ug/L	Benzoic acid	50 U	50 R	
	58-55-3	ug/L	Benzo(a)anthracene	10 U	10 U	50 U
	50-32-8	ug/L	Benzo(a)pyrene	10 U	10 U	10 U
	205-98-2	ug/L	Benzo(b)fluoranthene	10 U	10 U	10 U
	191-24-2	ug/L	Benzo(g,h,i)perylene	10 U	10 U	10 U
	207-06-9	ug/L	Benzo(k)fluoranthene	10 U	10 U	10 U
	100-51-6	ug/L	Benzyl alcohol	10 U	10 U	10 U
	111-91-1	ug/L	bis(2-Chloroethoxy)methane	10 U	10 U	10 U
	111-44-4	ug/L	bis(2-Chloroethyl)ether	10 U	10 U	10 U
	108-60-1	ug/L	bis(2-Chloroisopropyl) ether	10 U	10 U	10 U
	117-81-7	ug/L	bis(2-Ethylhexyl) phthalate	10 U	10 U	10 U
	85-68-7	ug/L	Butyl benzyl phthalate	10 U	10 U	10 U
	218-01-9	ug/L	Chrysene	10 U	10 U	10 U
	132-84-9	ug/L	Dibenzofuran	10 U	10 U	10 U
	53-70-3	ug/L	Dibenzof(a,h)anthracene	10 U	10 U	10 U
	84-66-2	ug/L	Diethyl phthalate	10 U	10 U	10 U
	131-11-3	ug/L	Dimethyl phthalate	10 U	10 U	10 U
	84-74-2	ug/L	Di-n-butyl phthalate	10 U	10 U	10 U
	117-84-0	ug/L	Di-n-octyl phthalate	10 U	10 U	10 U
	208-44-0	ug/L	Fluoranthene	10 U	10 U	10 U
	86-73-7	ug/L	Fluorene	10 U	10 U	10 U
	118-74-1	ug/L	Hexachlorobenzene	10 U	10 U	10 U
	87-68-3	ug/L	Hexachlorobutadiene	10 U	10 U	10 U
	77-47-4	ug/L	Hexachlorocyclopentadiene	10 U	10 U	10 U
	87-72-1	ug/L	Hexachloroethane	10 U	10 U	10 U
	193-39-5	ug/L	Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U
	78-59-1	ug/L	Isophorone	10 U	10 U	10 U
	91-20-3	ug/L	Naphthalene	7 J	29	10 U
	98-95-3	ug/L	Nitrobenzene	10 U	10 U	10 U
	86-30-6	ug/L	N-Nitrosodiphenylamine	10 U	10 U	10 U
	621-64-7	ug/L	N-Nitroso-di-n-propylamine	10 U	10 U	10 U
	87-86-5	ug/L	Pentachlorophenol	50 U	50 R	50 U
	85-01-8	ug/L	Phenanthrene	10 U	10 U	10 U
	108-95-2	ug/L	Phenol	2 J	10 R	10 U
	129-00-0	ug/L	Pyrene	10 U	10 U	10 U

U = Compound not detected

U = Estimated value

It is possible to predict the value of β as a function of α and γ by using the following equation:

TYPE 608

U = Compound not detected
J = Estimated value
R = Result rejected in validation

U = Compound not detected
J = Estimated value
R = Result rejected in validation

APPENDIX M

RESULTS OF INORGANICS IN WATER 161AREFG SITE INVESTIGATION PHOENIX, ARIZONA

(cont.)

Sample Number:	MW2-02-02 DUP	MW4-01-01	MW4-01-02	MW4-02-01A	MW4-02-02	MW5-01-01A	MW5-01-01A-DUP	MW5-01-02
Sample Date:	25-Jun-91	08-Apr-91	26-Jun-91	16-Apr-91	26-Jun-91	16-Apr-91	16-Apr-91	25-Jun-91
Lab Number:	BB9060	BB2474	BB9101	BB3510	BB9082	BB3678	BB3679	BB9046
Prep Date:	03-Jul-91	16-Apr-91	03-Jul-91	24-Apr-91	03-Jul-91	24-Apr-91	24-Apr-91	03-Jul-91
Analysis Date:	03-Jul-91	18-Apr-91	03-Jul-91	25-Apr-91	03-Jul-91	25-Apr-91	25-Apr-91	03-Jul-91
COMPOUND	CAS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS	UNITS
Aluminum	7429-90-5	40 U	54.1 J	59.6 J	40 U	40 U	59.3 J	48.4 J
Antimony	7440-36-0	30 U	30 U	30 U	30 U	30 U	30 U	30 U
Arsenic	7440-38-2	5.4 B	2 U	32.4	14.2	5.6 J	3.8 J	5.1 J
Barium	7440-39-3	47.5 B	185 J	121 J	118 J	55.6 J	54.5 J	52.5 J
Beryllium	7440-41-7	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cadmium	7440-43-8	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Calcium	7440-70-2	49862	208000	61200	62300	65800	65800	66200
Chromium	7440-47-3	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Cobalt	7440-48-4	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Copper	7440-50-8	21.8 B	31.9 J	11.8 J	22.1 J	10.1 J	10 U	33.8 J
Iron	7439-89-6	14.4 B	19.1 J	57.9 J	10 U	24.2 J	50.5 J	18.2 J
Lead	7439-92-1	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Magnesium	7439-95-4	19869	71600	24000	25500	26700	26100	27800
Manganese	7439-96-5	2.1 B	2.5 J	2 U	2 U	2 U	2 U	2 U
Mercury	7439-97-6	0.2 U	0.2 U	0.2 U	0.2 U	0.21	0.2 U	0.2 U
Nickel	7440-02-0	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Potassium	7440-09-7	4653 B	13700	9100	7630	4380 J	4450 J	5880
Selenium	7782-49-2	2 U	2 U	6 U	4 U	4 U	2 U	2 U
Silver	7440-22-4	5 B	18.8 J	6.9 J	5 U	5 U	5 U	7.2 J
Sodium	7440-23-5	136184	223000	116000	104000 J	143000	138000	118000
Thallium	7440-28-0	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Vanadium	7440-62-2	10.4 B	10 U	64.2	39.9 J	10 U	10 U	10 U
Zinc	7440-66-6	20.3	22.4 J	10.8 J	12 J	10.2 J	21	96.8 J
Nitrate	14797-55-8	mg/L				2.4	2.3	6.3
Nitrite		mg/L				2 U	2 U	2 U

U = Compound not detected
J = Estimated value
R = Result rejected in validation